FIRE / SMOKE BARRIER DESIGNATIONS

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT. ALL FLOOR ASSEMBLIES SHALL BE DESIGNATED AS 2 HOUR FIRE, BARRIER(S), UNLESS NOTED

OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS.

1 HOUR FIRE BARRIER	
2 HOUR FIRE BARRIER	
SMOKE BARRIER	

THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF DEMOLITION WORK REQUIRED AND DO NOT INDICATE EVERY PIPE OR PIECE OF EQUIPMENT THAT MUST BE REMOVED. ACCESSIBILITY OF EQUIPMENT AND SYSTEMS IS NOT SHOWN NOR SHOULD IT BE INFERRED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH CEILING SYSTEM DISASSEMBLY AND REASSEMBLY TO ACCOMMODATE THIS WORK. CONTRACTOR TO SALVAGE, STORE, AND REINSTALL ALL CEILING MOUNTED DEVICES. CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL PENETRATIONS CREATED BY REMOVAL OF EQUIPMENT, DUCTWORK, PIPING, ETC. TO MATCH EXISTING. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. PATCH TO MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH

PLUMBING DEMOLITION NOTES:

DEMOLITION. CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING SPRINKLER PIPING, PLUMBING PIPING, HVAC PIPING, AND DUCTWORK NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON OPERATING EQUIPMENT, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS. EXTEND EXISTING INSTALLATIONS USING MATERIAL AND METHODS COMPATIBLE WITH EXISTING MECHANICAL

INSTALLATIONS, OR AS SPECIFIED FOR INTENDED

ARCHITECT/ENGINEER BEFORE PROCEEDING WITH

SERVICE. EXISTING PLUMBING SYSTEM: MAINTAIN SERVICE TO ALL PLUMBING FIXTURES UNTIL NEW PIPING IS INSTALLED. OBTAIN PERMISSION FROM OWNER AT LEAST 72 HOURS BEFORE SHUTTING DOWN SYSTEM FOR ANY REASON. MAKE CHANGEOVER TO NEW PIPING WITH MINIMUM OUTAGE. DO NOT DISCONNECT ANY ROOF DRAINAGE PIPING UNTIL NEW PIPING IS IN PLACE AND OPERATIONAL.

ALL SYSTEM CHANGEOVERS BE COMPLETED IN OVERTIME, NOT DURING NORMAL WORKING HOURS. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES AND CAP OR MAKE READY FOR RECONNECTION IF SERVICE IS EXTENDED AS PART OF

NEW WORK. . REMOVE EXPOSED ABANDONED PIPING INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS, AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. . DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. 14. MAINTAIN ACCESS TO EXISTING MECHANICAL

INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE. . MECHANICAL ITEMS REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.

GENERAL PLUMBING NOTES: DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL,

SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. READ ALL SPECIFICATIONS. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES. LAYOUT AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK, DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ ENGINEER BEFORE PROCEEDING WITH ANY FABRICATION OR EQUIPMENT ORDERS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKING REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS. ANY CHANGES THAT ARE REQUIRED TO ELIMINATE

CONFLICTS AND RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO THE OWNER. CAULK ALL PIPE PENETRATIONS OF FULL HEIGHT NON FIRE RATED WALLS, PARTITIONS, FLOORS AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN THE ROOMS. CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT DIFFERENT THAN THE BASIS OF DESIGN. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN

FOR EXACT LOCATIONS OF ALL CEILING MOUNTED

DEVICES.

DESIGN CODES:	
DESCRIPTION:	YEAR:
INTERNATIONAL BUILDING CODE	2012
INTERNATIONAL MECHANICAL CODE	2012
INTERNATIONAL PLUMBING CODE	2012
INTERNATIONAL FIRE CODE	2012

CONTACT PERSONS DESCRIPTION: PERSON: DAVID LARSON PROJECT MANAGER MECHANICAL ENGINEER MARTY KIMBALL

	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
——AV——	ACID VENT
——AW——	ACID WASTE
	COLD WATER - POTABLE
——DT——	
	SANITARY DRAINAGE (GREASE LADEN)
	GAS REGULATOR VENT
	HOT WATER - POTABLE
	HOT WATER CIRCULATING - POTABLE
	HOT WATER - POTABLE NO. INDICATED TEMP.
	HOT WATER CIRC POTABLE NO. INDICATES TEMP
	NON-POTABLE COLD WATER NON-POTABLE HOT WATER
	PUMPED DISCHARGE
	SANITARY DRAINAGE
	SOFT COLD WATER
	SOFT HOT WATER
	STORM DRAINAGE (ROOF SQUARE FOOTAGE)
——STS——	STORM DRAINAGE (SECONDARY)
	VENT
——V(ST)——	VENT (STORM)
W	SERVICE WATER - POTABLE
 3	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
o _{FD}	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	UNDERFLOOR PIPING (LONG DASHES)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
<u>RD-1</u>	POOE DRAIN PROPERTIES SYMBOL
6"(10 00)	SIZE (ROOF SQ. FT.)
	NEW CONNECTION
	DIELECTRIC CONNECTION
——₩——	UNION/FLANGE SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY OPEN SHUTOFF VALVE NORMALLY CLOSED
0.5	BALANCING VALVE (NO. INDICATES GPM)
	CHECK VALVE
	REDUCER - REFERENCE SPECIFICATION
	FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	METER ALIGNMENT GUIDE
×	PIPE ANCHOR
	WATER HAMMER ARRESTOR
	EXPANSION JOINT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
ВТ	BATHTUB
	CIVIL CONTRACTOR
	CLEANOUT
	CLINICAL SINK
	DRINKING FOUNTAIN EMERGENCY EYEWASH
	EMERGENCY EYEWASH EMERGENCY SHOWER
	EMERGENCY SHOWER/EYEWASH
ESE	ELECTRIC WATER COOLER
ESE EWC	FLOOR CLEANOUT
ESE EWC FCO	
ESE EWC FCO FD	FLOOR CLEANOUT
ESE EWC FCO FD FHW	FLOOR CLEANOUT FLOOR DRAIN
ESE EWC FCO FD FHW F.P.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER
ESE EWC FCO FD FHW F.P.C. FS	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR
ESE EWC FCO FD FHW F.P.C. FS G.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK
ESE EWC FCO FD FHW F.P.C. FS G.C. GD	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY)
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C.	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR VTR	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MANHOLE MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK URINAL
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR VTR WC	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK URINAL VENT THROUGH ROOF
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR VTR WC WCO	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK URINAL VENT THROUGH ROOF WATER CLOSET
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR VTR WC WCO WF	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FICOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK URINAL VENT THROUGH ROOF WATER CLOSET WALL CLEANOUT
ESE EWC FCO FD FHW F.P.C. FS G.C. GD GI HB H.C. I.E. LAV MB M.C. MH MV NC N.I.C. NT OS P.C. RD SH SS TD TP SK UR VTR WC WCO WF WH	FLOOR CLEANOUT FLOOR DRAIN FEMININE HYGIENE WASHER FIRE PROTECTION CONTRACTOR FLOOR SINK GENERAL CONTRACTOR GARBAGE DISPOSER GREASE INTERCEPTOR HOSE BIBB HEATING CONTRACTOR INVERT ELEVATION (FOR REFERENCE ONLY) LAVATORY MOP BASIN MECHANICAL CONTRACTOR MIXING VALVE NEW CONNECTION NOT IN CONTRACT NEUTRALIZATION TANK OIL SEPARATOR PLUMBING CONTRACTOR ROOF DRAIN SHOWER SERVICE SINK TRENCH DRAIN TRAP PRIMER SINK URINAL VENT THROUGH ROOF WATER CLOSET WALL CLEANOUT WASH FOUNTAIN

PLUMBING SYMBOLS LIST

SYMBOL: DESCRIPTION:

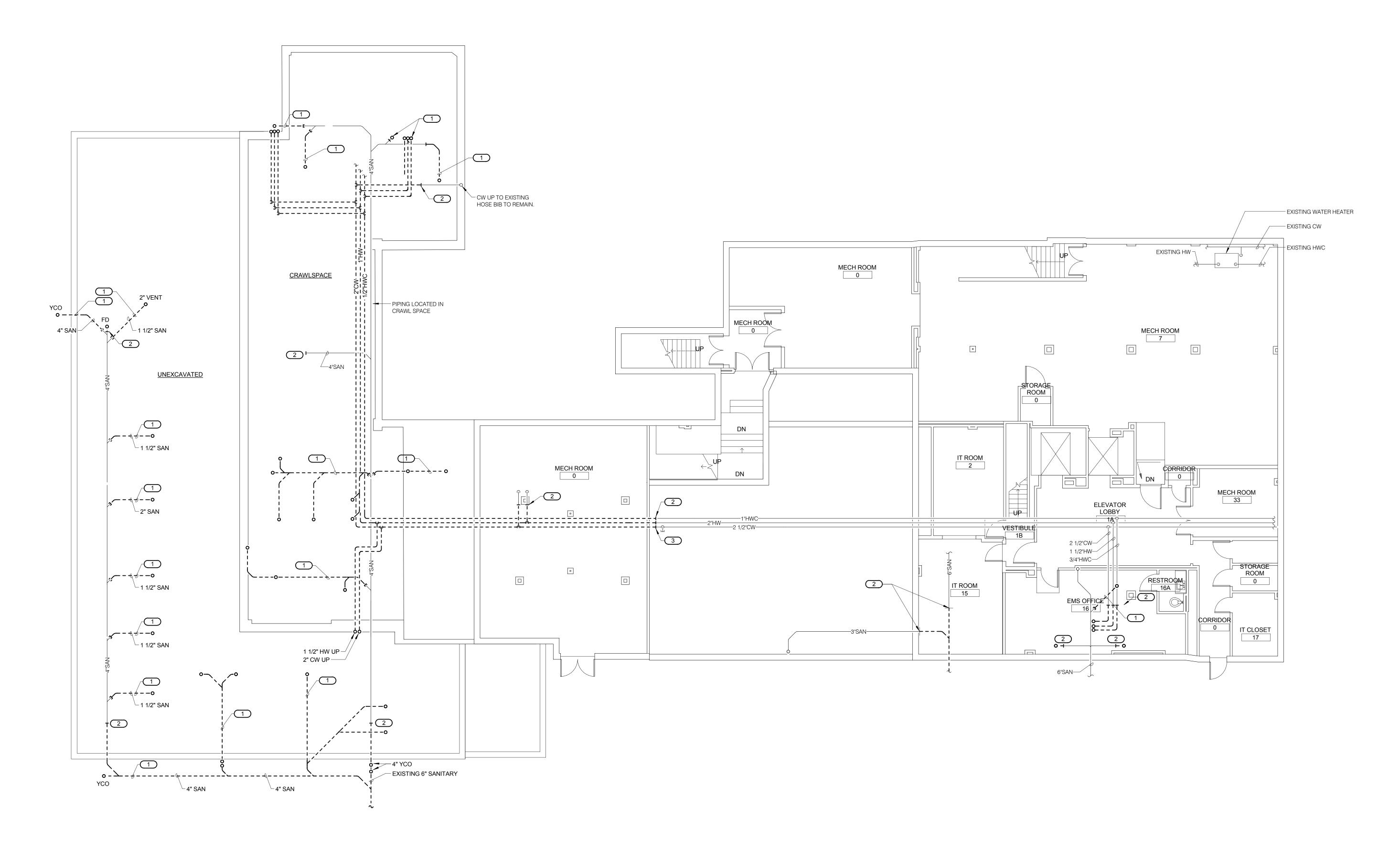
		CONSULTANTS:
		HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
Revisions:	Date	CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.
Revisions:	Date	INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

VA FORM 08-6231, OCT 1978



Drawing Title	Project Title RENO\ AMBULA	ATE AND E		Project Number 549-130	
PLUMBING COVER SHEET		AYBURN ME TERANS CEN	_	Building Number 1	
Approved: Project Director	Location BONHAM, TEXAS			Drawing Number	
	Date	Checked	Drawn	PL001	
	APRIL 13, 2015	LOUHAM	CAD	Dwg. 86 of	142

KEYNOTES: #
 REMOVE EXISTING PIPING AS SHOWN & CAP/PROVIDE FCO.
 PREPARE FOR NEW CONNECTION.
 REMOVE EXISTING PIPING AS SHOWN AND CAP.

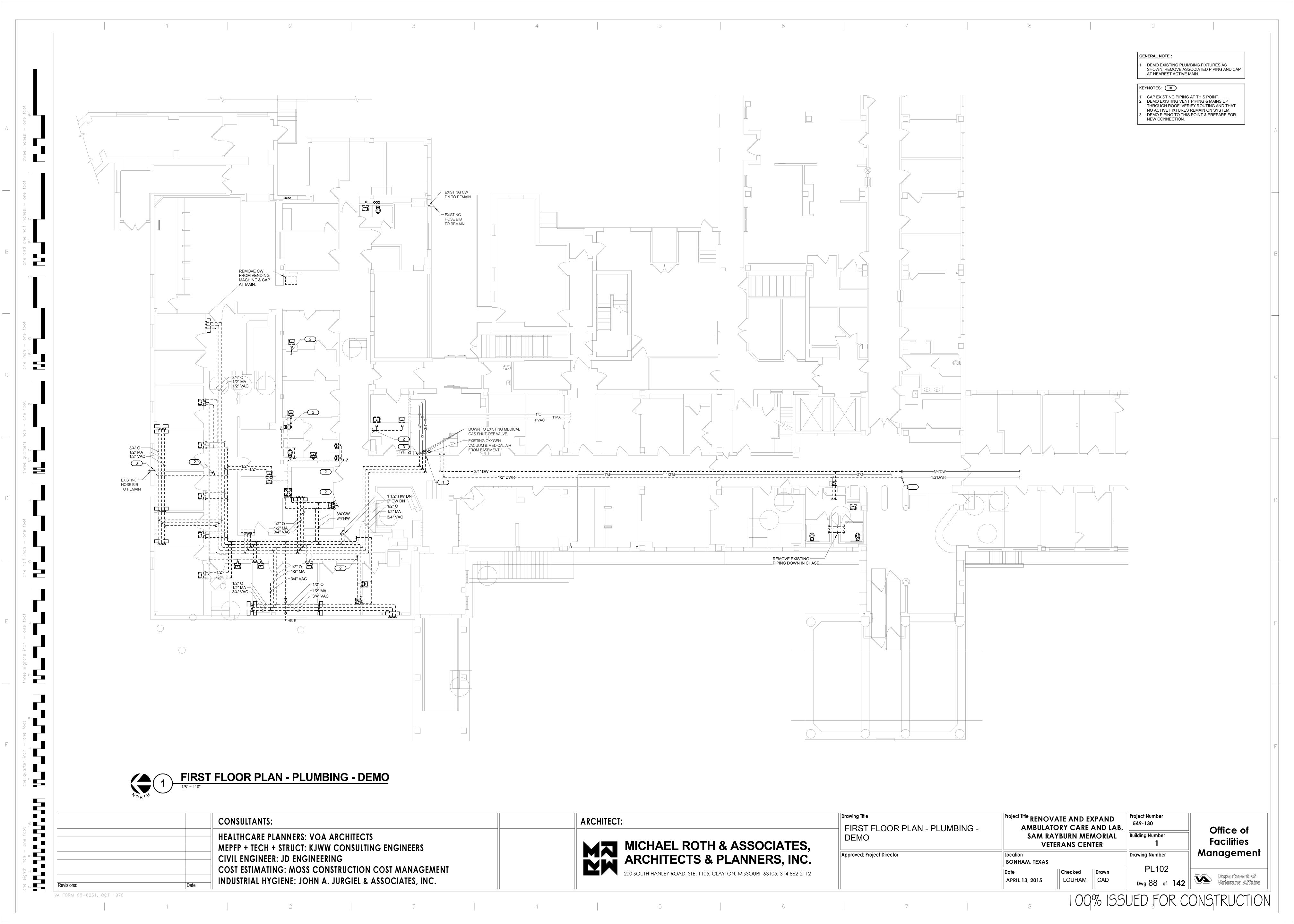


BASEMENT FLOOR PLAN - PLUMBING - DEMO

1/8" = 1'-0"

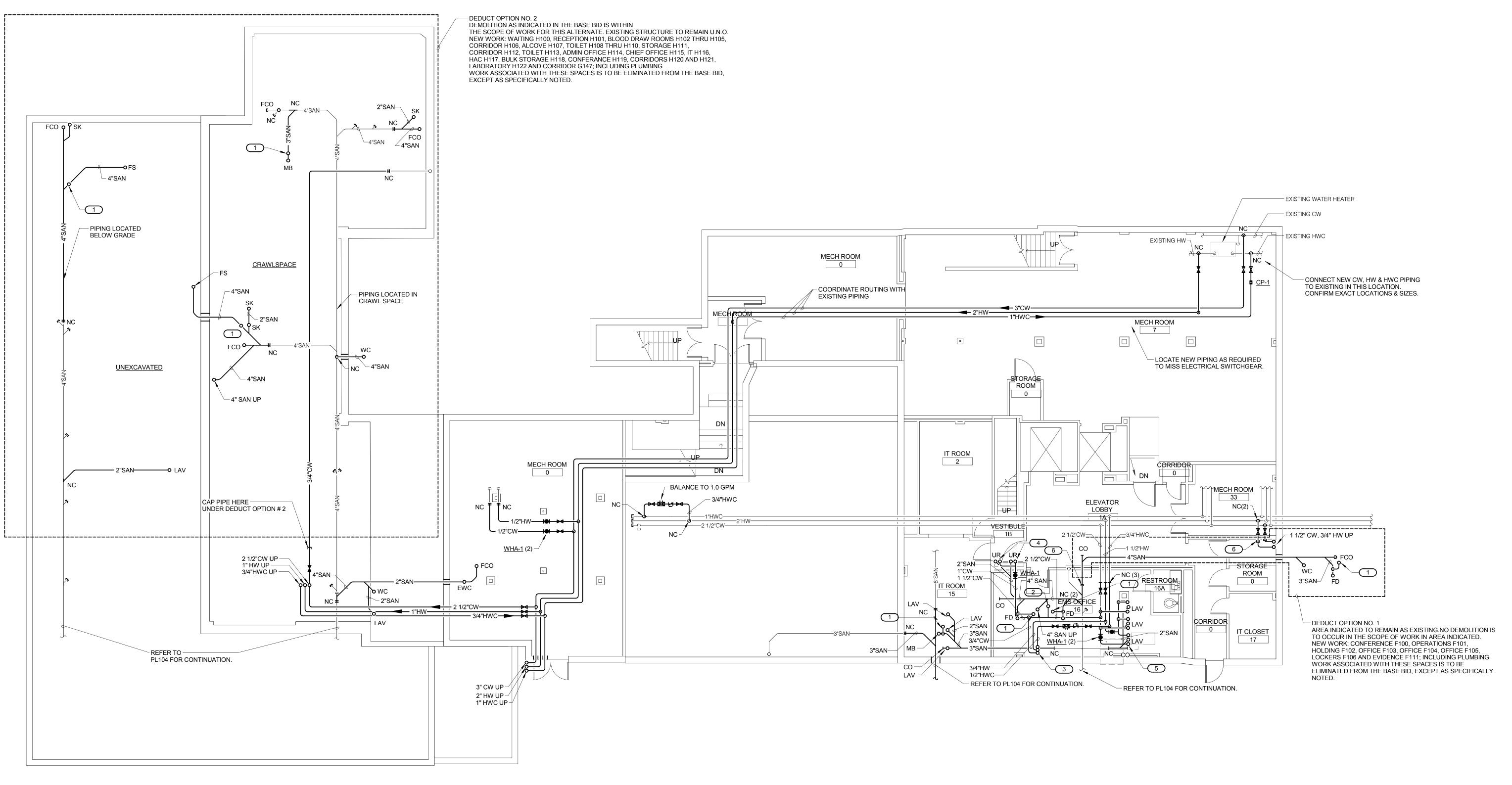
	CONSULTANTS:	ARCHITECT:	Drawing Title BASEMENT FLOOR PLAN - PLUMBING	Project Title RENOVATE	AND EXPAND CARE AND LAB.	Project Number 549-130	Ottion of
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES,	- DEMO	SAM RAYBU		Building Number 1	Office of Facilities
	CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS		Drawing Number	Management
Revisions: Date	COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112			ecked Drawn OUHAM CAD	PL101 Dwg.87 of 142	Department of Veterans Affairs
VA FORM 08-6231, OCT 1978					1000 1661	IED EOD (CONCTRICTION

100% ISSUED FOR CONSTRUCTION



KEYNOTES: #

1. 2" VENT UP.
2. 2" CW UP.
3. 3/4" HW, 3/4" CW, 1/2" HWC UP.
4. 3/4" CW UP TO UR.
5. 1/2" HW AND 1/2" CW UP TO LAV. (TYP.)
6. CAP PIPE HERE UNDER DEDUCT OPTION # 1.

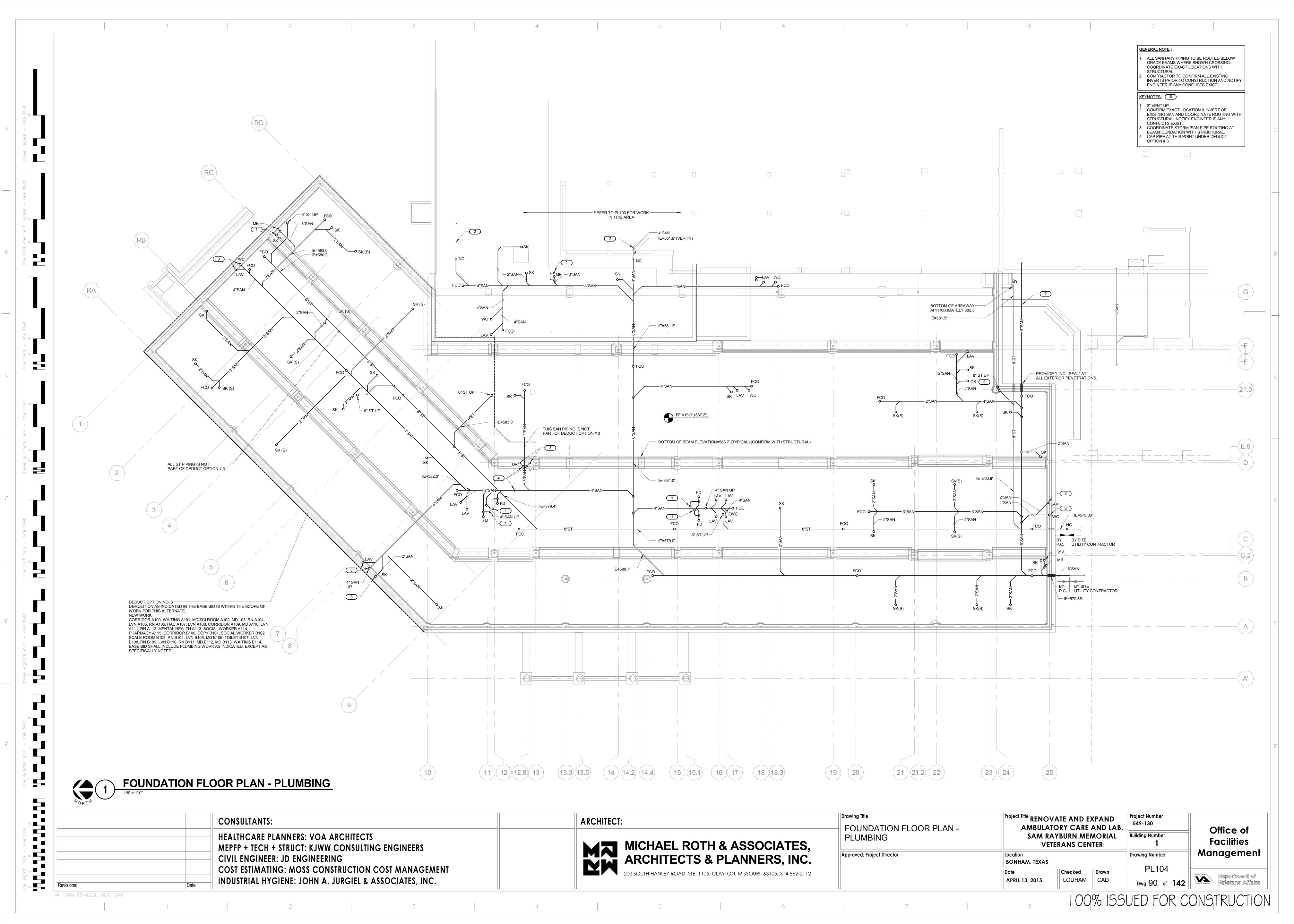


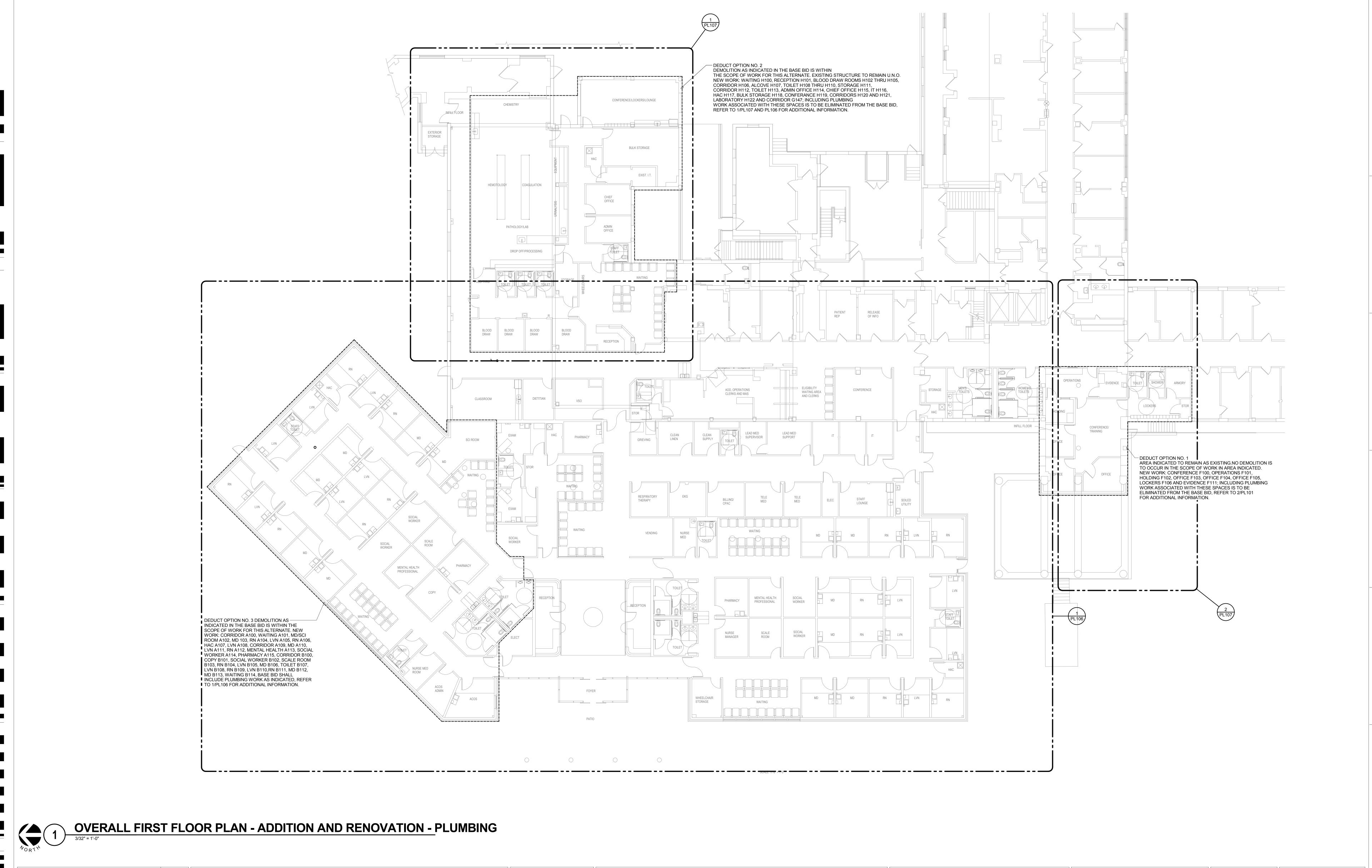


VA FORM 08-6231, OCT 1978

	CONSULTANTS:	ARCHITECT:	Drawing Title	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB.	Project Number 549-130	Ottion of
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	BASEMENT FLOOR PLAN - PLUMBING			Office of Facilities
	CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS	Drawing Number PL103	Management
Revisions: Date	INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date Checked Drawn CAD	Dwg. 89 of 142	Department of Veterans Affairs

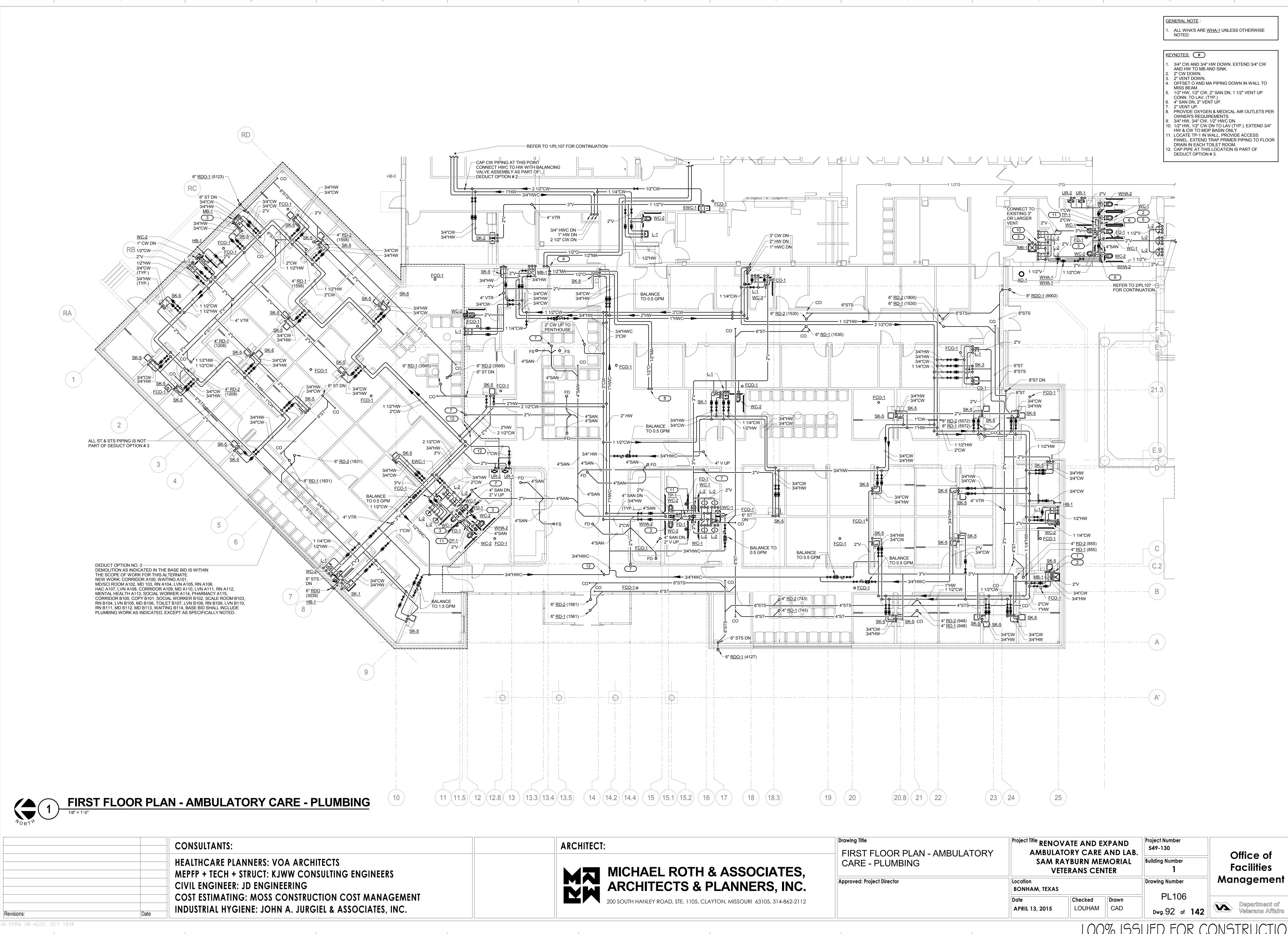
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		CONSULTANTS:	ARCHITECT:	OVERALL FIRST FLOOR PLAN -	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB	Project Number 549-130	Offi a a a f
		HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES,	ADDITION AND RENOVATION - PLUMBING	SAM RAYBURN MEMORIAL VETERANS CENTER		Office of Facilities
		CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS	Drawing Number	Management
		COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date Checked Drawn APRIL 13, 2015 LOUHAM CAD	PL105	Department of
Revisions:	Date	INDUSTRIAL HIGHLIL. JOHN A. JUNGILL & ASSOCIATES, INC.			71 KIE 10, 2010	Dwg. 91 of 142	Veterans Atiairs

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GENERAL NOTE:

1. ALL WHA'S ARE WHA-1 UNLESS OTHERWISE

KEYNOTES: #

1" CW DN. EXTEND 1" CW TO WC & 1/2" CW TO LAV.
 1/2" HW & CW DN TO MV. EXTEND 1/2" TW TO EE.
 EXTEND 3/4" HW, 3/4" CW & 1 1/2" VENT IN CABINETRY TO SINK. COORD ROUTING WITH ARCHITECT.
 COORDINATE LOCATION OF FLOOR SINK WITH COUNTERS. REFER TO ARCH DWGS FOR EXACT

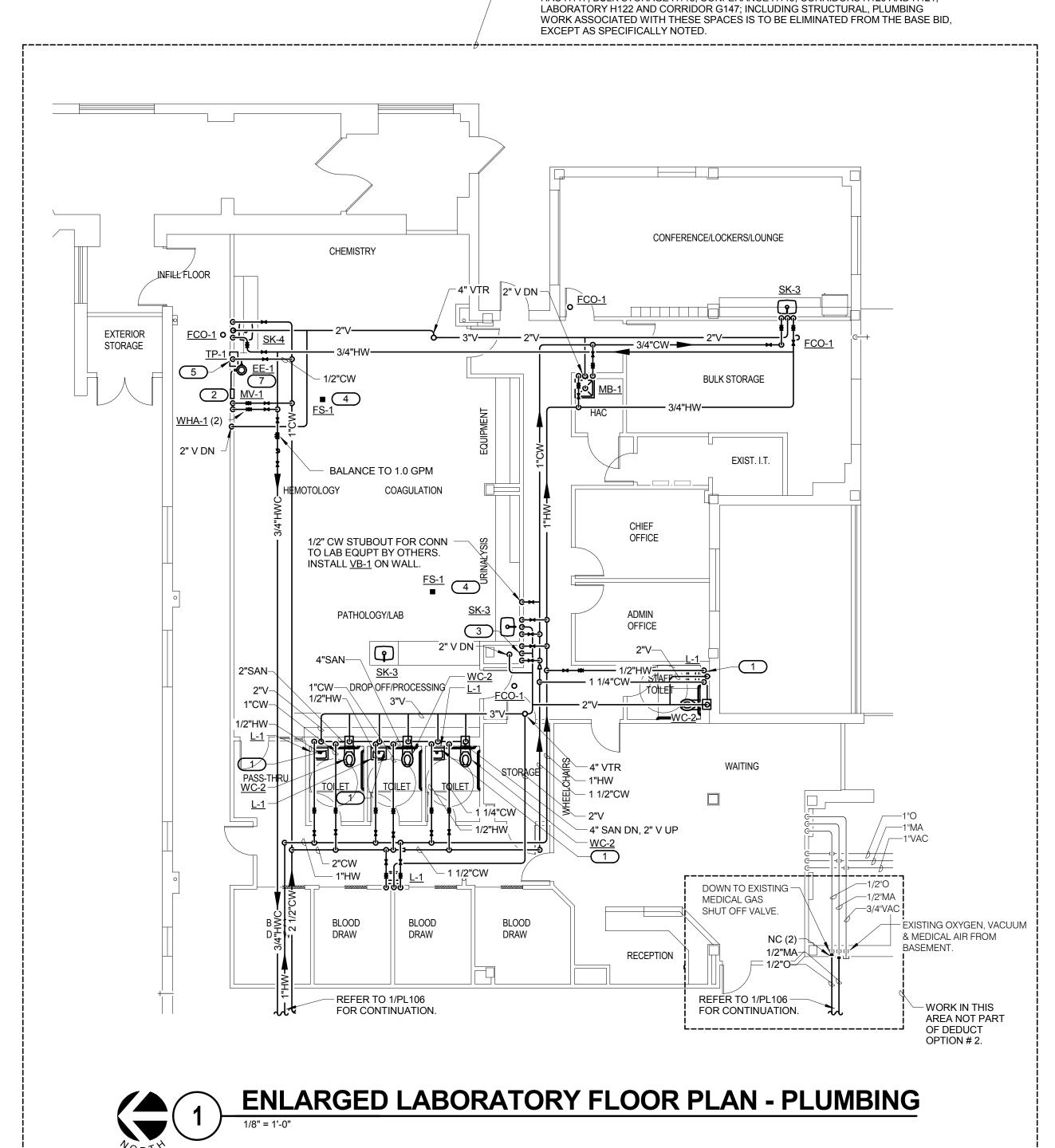
LOCATIONS.

5. LOCATE TP-1 IN WALL, PROVIDE ACCESS PANEL. EXTEND TRAP PRIMER PIPING TO EACH FLOOR SINK IN ROOM.

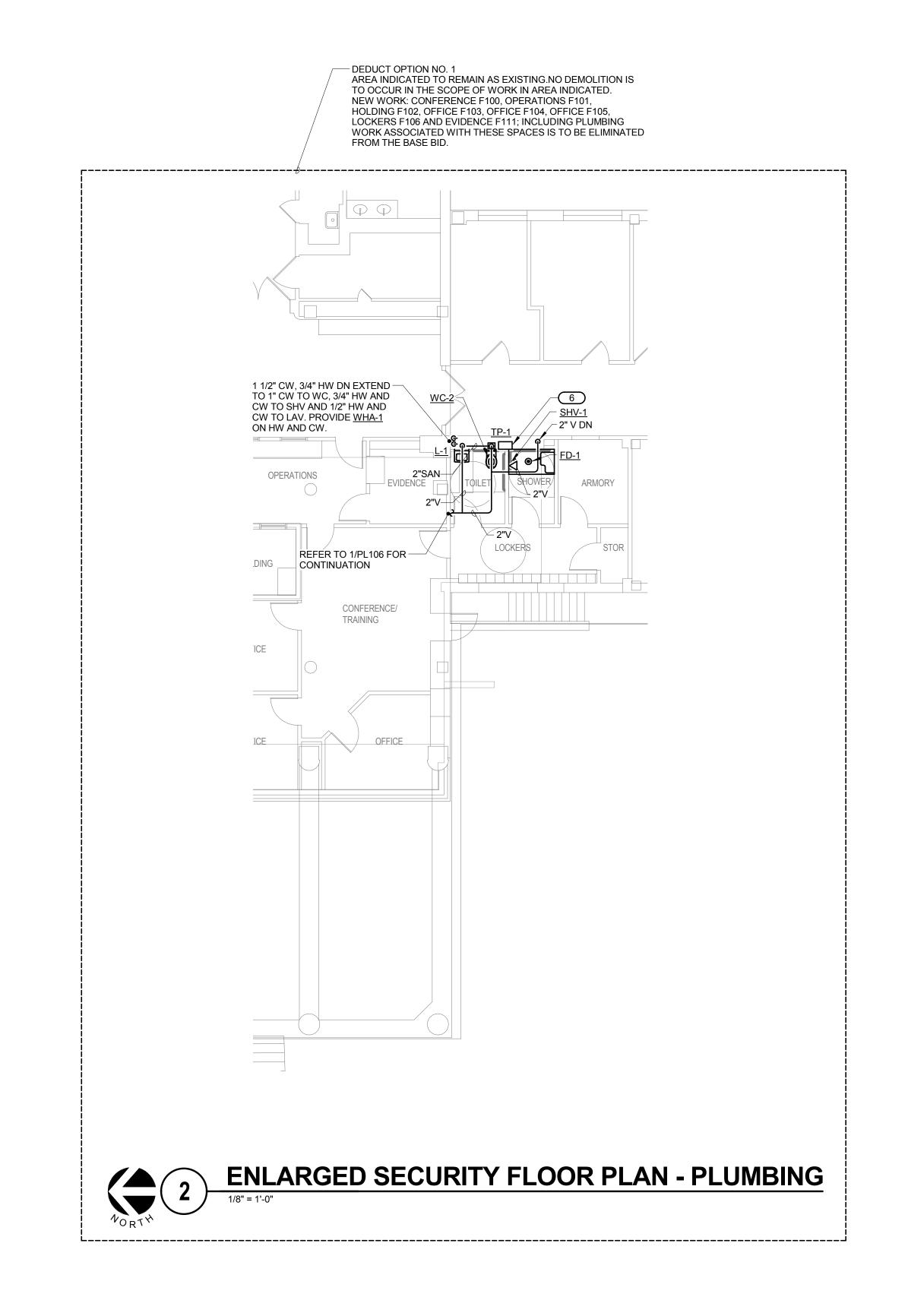
6. LOCATE TP-1 IN WALL, PROVIDE ACCESS PANEL. EXTEND TRAP PRIMER PIPING TO FLOOR DRAIN.

EXTEND 1 1/2" SAN & VENT TO EYE WASH FROM

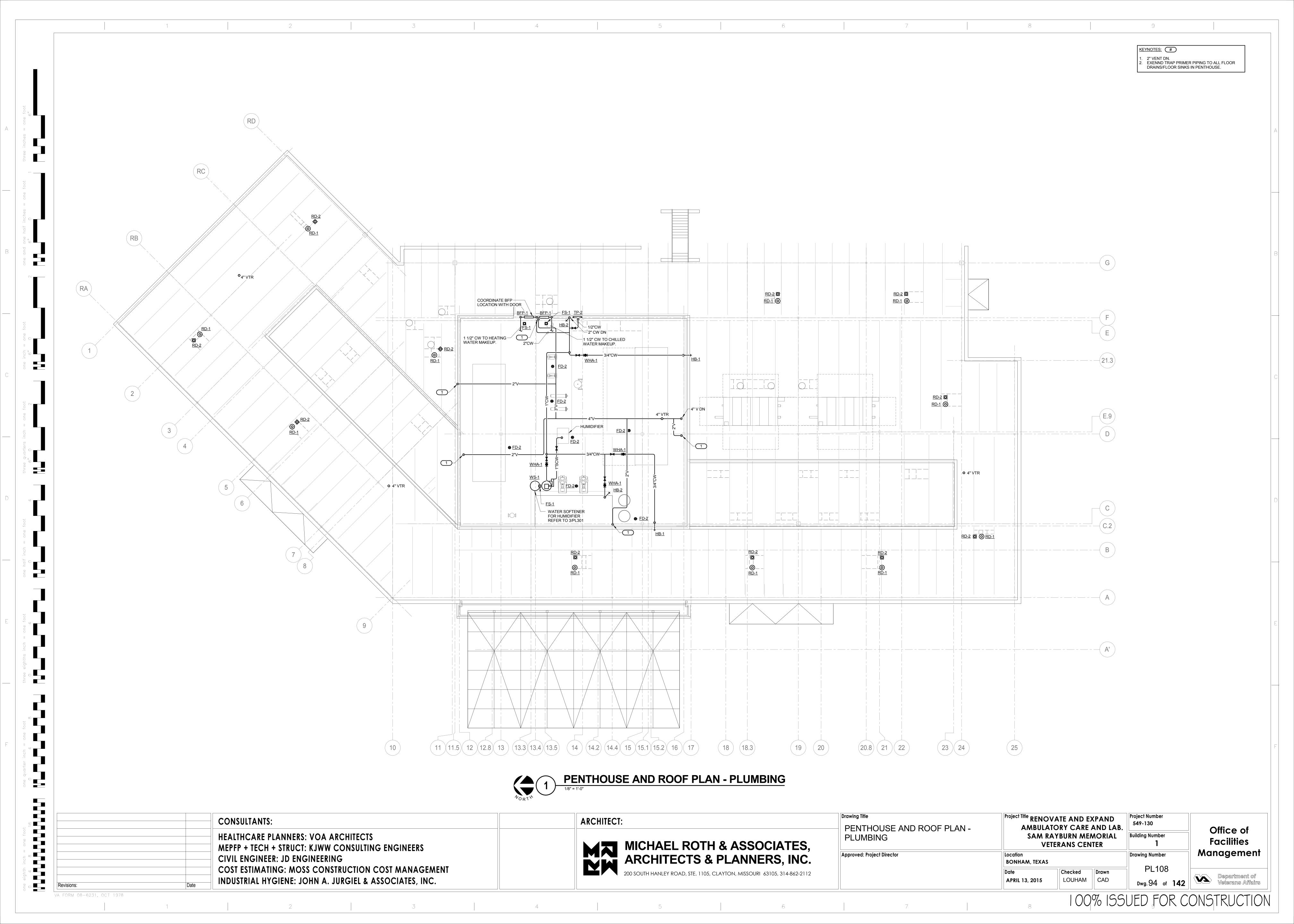
DEMOLITION AS INDICATED IN THE BASE BID IS WITHIN
THE SCOPE OF WORK FOR THIS ALTERNATE. EXISTING STRUCTURE TO REMAIN U.N.O.
NEW WORK: WAITING H100, RECEPTION H101, BLOOD DRAW ROOMS H102 THRU H105,
CORRIDOR H106, ALCOVE H107, TOILET H108 THRU H110, STORAGE H111,
CORRIDOR H112, TOILET H113, ADMIN OFFICE H114, CHIEF OFFICE H115, IT H116,
HAC H117, BULK STORAGE H118, CONFERANCE H119, CORRIDORS H120 AND H121,
LABORATORY H122 AND CORRIDOR G147; INCLUDING STRUCTURAL, PLUMBING
WORK ASSOCIATED WITH THESE SPACES IS TO BE ELIMINATED FROM THE BASE BID,
EXCEPT AS SPECIFICALLY NOTED.

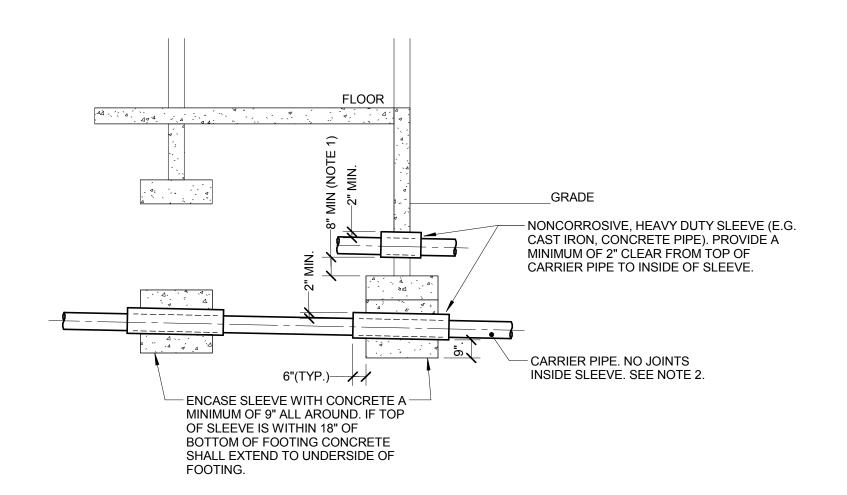


VA FORM 08-6231, OCT 1978



	CONSULTANTS:	ARCHITECT:	Drawing Title ENLARGED FLOOR PLAN -	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB	Project Number 549-130	Office of
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	LABORATORY AND SECURITY - PLUMBING			Office of Facilities
	CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS	Drawing Number PL107	Management
Revisions: Date	COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date APRIL 13, 2015 Checked LOUHAM CAD	Dwg. 93 of 142	Department of Veterans Affairs





NOTES:

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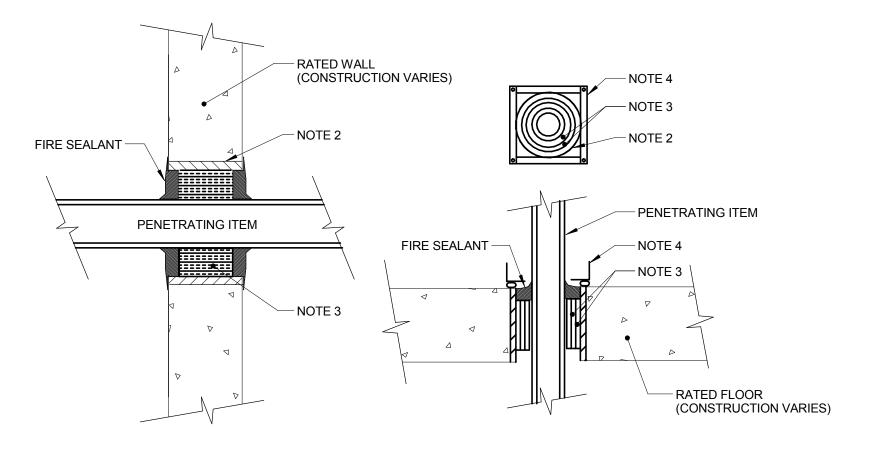
STEP FOOTING DOWN AS REQUIRED TO MAINTAIN 8" MINIMUM DIMENSION.

2. PROVIDE A LENGTH OF DUCTILE IRON PIPE WHERE UTILITY PASSES UNDER OR THROUGH FOOTINGS/FOUNDATION WALLS. USE PVC IF CARRIER PIPE IS PVC.

1 PIPE UNDER FOOTING DETAIL

NOT USED

NO SCALE



NOTES:

1. THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 07840 (07 84 00) (15080) (SECTION 21 05 03 - FIRE PROTECTION, SECTION 22 05 03 - PLUMBING, SECTION 23 05 03 - HVAC) FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.

2. SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL. EACH CONTRACTOR FURNISHES SLEEVE TO G.C., COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP

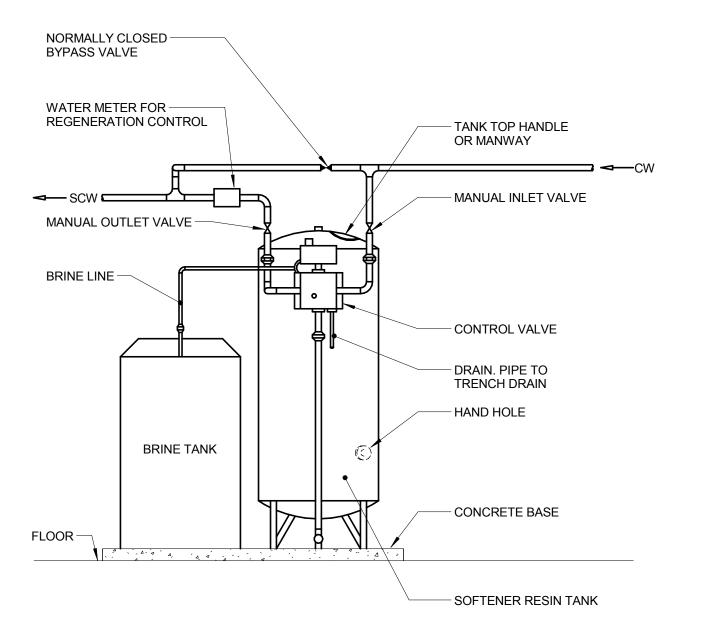
AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE

SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.

BE ENCLOSED IN ONE FRAME.

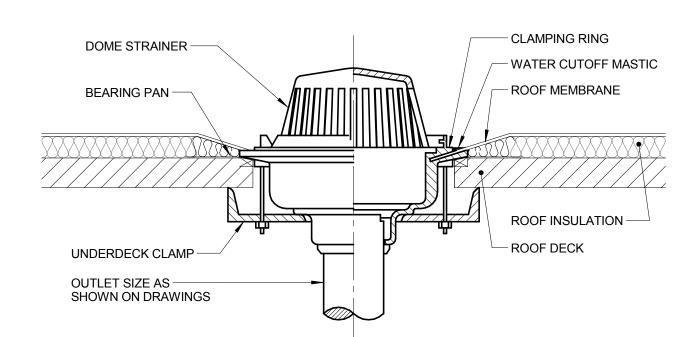
INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
 WATER-TIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME, BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY

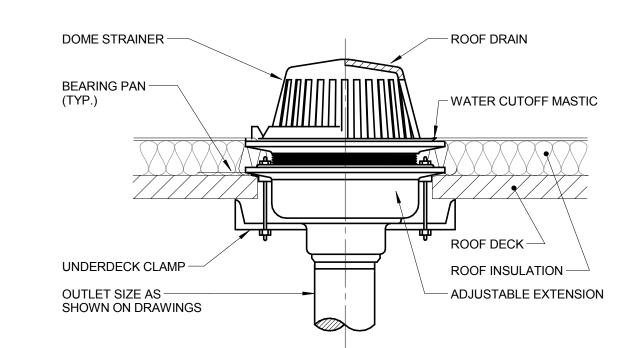
2 RATED FIRE BARRIER PENETRATION
NO SCALE



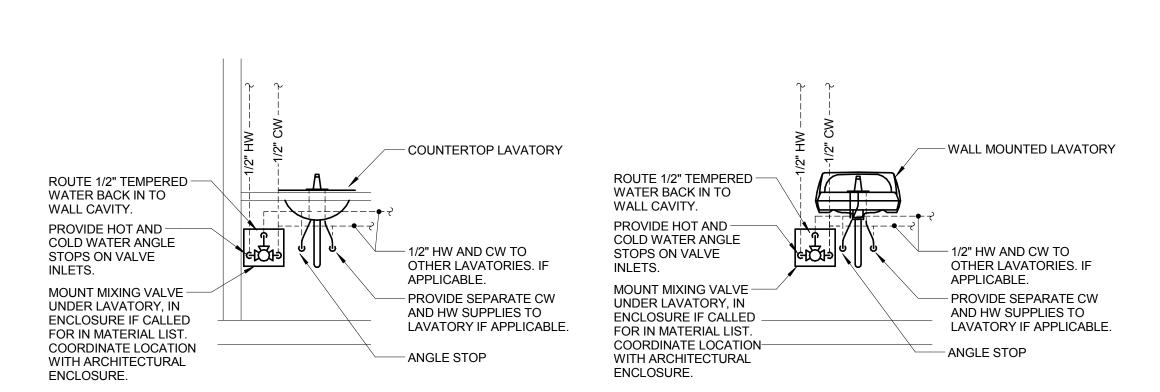
WATER SOFTENER DETAIL

NO SCALE

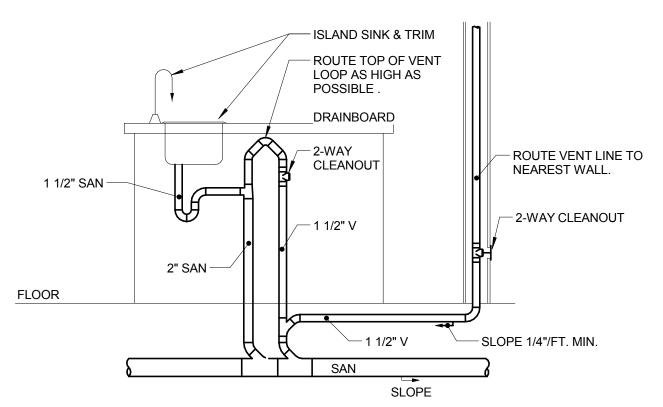




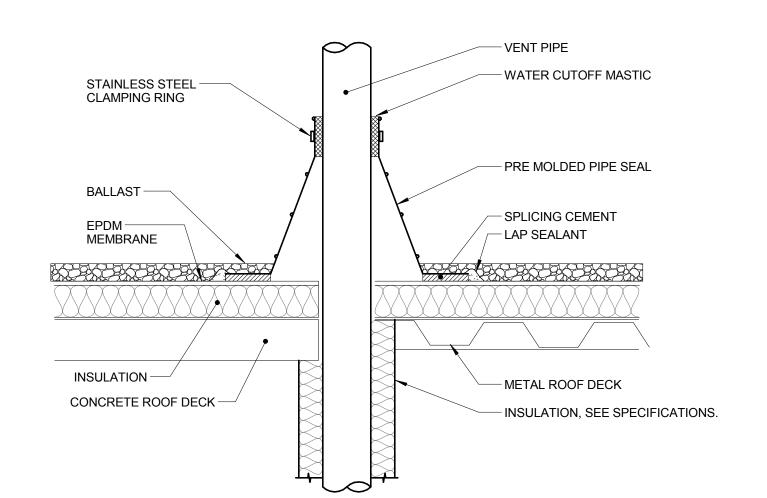




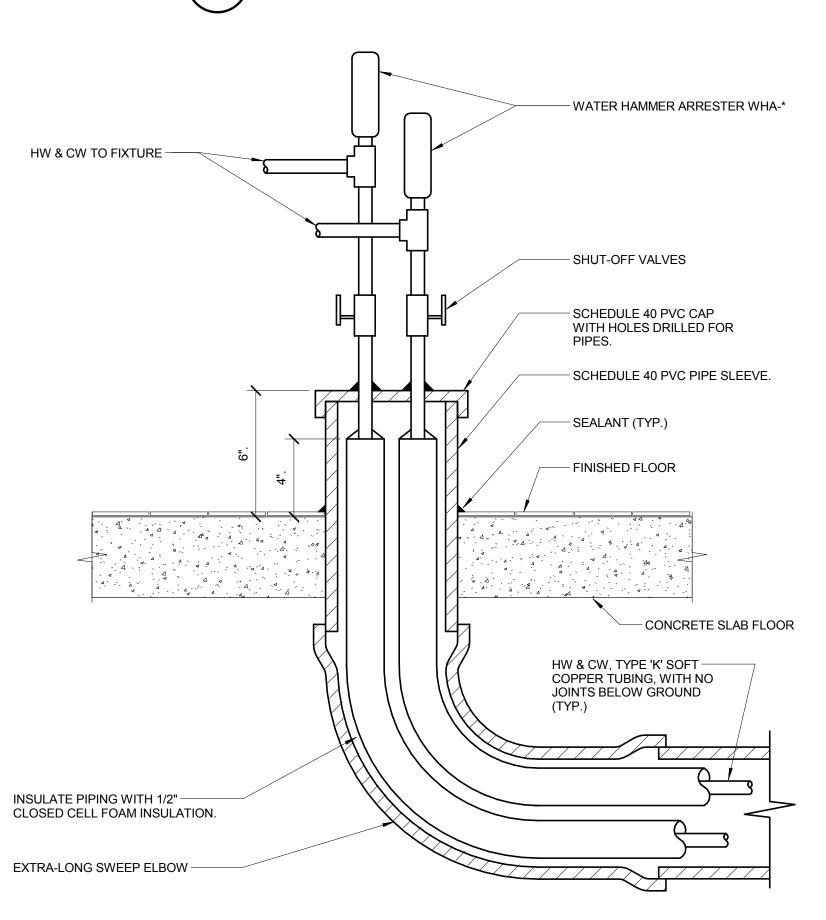
8 LAVATORY/MIXING VALVE DETAIL
NO SCALE



4 ISLAND SINK VENT DETAIL
NO SCALE



7 VENT PIPE FLASHING
NO SCALE



9 UNDERGROUND TUBING TO ISLAND FIXTURES
NO SCALE

	CONSULTANTS:	ARCHITECT:	Drawing Title	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB.	Project Number 549-130	Office of
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	DETAILS - PLUMBING		Building Number 1	Office of Facilities
	CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS	Drawing Number	Management
Revisions:	COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date Checked Drawn CAD	PL301 Dwg.95 of 142	Department of Veterans Affairs

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	PLUMBING MATERIAL LIST		PLUMBING MATERIAL LIST
TAG NAME	DESCRIPTION	TAG NAME	
AD-1	AREA DRAIN - CAST IRON BODY, 8" BOTTOM OUTLET, 8" BRONZE DOME WITH STAINLESS STEEL MESH SCREEN,	L-1	LAVATORY - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, 20"x18", 4" HIGH BACKSPLASH, SINGLE
BFP-1	BRONZE FLASHING CLAMP. BACK FLOW PREVENTER - REDUCED PRESSURE ZONE, BRONZE OR FDA APPROVED EPOXY COATED CAST IRON CONSTRUCTION, SIZE SAME AS PIPE, NON-CORROSIVE INTERNAL PARTS, STAINLESS STEEL SPRINGS, DIFFERENTIAL PRESSURE RELIEF VALVE BETWEEN SPRING-LOADED CHECK VALVES, SHUT-OFF VALVES ON INLET AND OUTLET OF UNIT, AIR GAP DRAIN FITTING, TEST PORTS WITH SHUT-OFF VALVES, RATED FOR 175 PSI AT		FAUCET HOLE, DRILLED FOR CONCEALED ARM CARRIER. LAVATORY TRIM - SENSOR ACTIVATED MIXING FAUCET, BATTERY POWERED, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH VANDAL-RESISTANT LAMINAR FLOW OUTLET, SINGLE HOLE, INTEGRAL CHECK VALVES, PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE, EXTERNAL ADJUSTABLE TEMPERATURE, FAUCET MOUNTED
	33°F TO 140°F, 15 PSI (MAXIMUM) PRESSURE DROP AT 10 FPS, FACTORY TESTED, ALL PARTS TO BE SERVICEABLE WITHOUT REMOVING UNIT FROM LINE, APPROVED BY USC FCCC & HR, AWWA C511-92, ASSE 1013, IAPMO AND SBCCI LISTED.		CONTROLS AND BATTERIES. MAXIMUM FLOW TO BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON
	MOUNT WITHIN 60" OF FINISHED FLOOR. PROVIDE AND INSTALL BRONZE OR EPOXY COATED STRAINER UPSTREAM OF EACH UNIT AND ADDITIONAL VALVE UPSTREAM OF EACH STRAINER. FLOW PRESSURE DROP CURVES SHALL BE SUBMITTED.		PLATE AS REQUIRED. MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, THREADED INLETS, TAMPER RESISTANT SETPOINT.
CP-1	CIRCULATING PUMP - BRONZE CONSTRUCTION, PERMANENTLY LUBRICATED SEALED BEARINGS, MECHANICAL SEAL, OIL LUBRICATED, OPEN DRIP-PROOF NON OVERLOADING MOTOR WITH THERMAL OVERLOAD PROTECTION, FLANGED CONNECTIONS, RATED FOR 125 PSIG AT 225°F, UL LISTED.		CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.]
	5 GPM @ 32 FEET OF HEAD. MOTOR SHALL BE .4 HP OPERATING AT 3250 RPM.		0.5 GPM OUTPUT. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.
	AQUASTAT - LINE VOLTAGE, ADJUSTABLE SETTING OF 90-180°F WITH STRAP-ON REMOTE SENSOR BULB, UL LISTED. PROVIDE WITH TRANSFORMER IF REQUIRED. INSTALL PER MANUFACTURERS INSTRUCTIONS.		UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. PROGRAMMING UNIT - HAND HELD, CAPABLE OF
CS-1	ELECTRICAL REQUIREMENTS - 115V-1 PHASE (HARD-WIRE) CLINICAL SINK - WALL MOUNTED, WHITE VITREOUS CHINA,		CHANGING SETTINGS, RUNNING DIAGNOSTICS, AND SCAN FAUCETS WITH ISSUES. PROVIDE ONE CONTROLLER FOR EVERY 25 FAUCETS.
	BLOWOUT ACTION FLUSHING RIM, 1-1/2" TOP SPUD, STAINLESS STEEL RIM GUARDS. FLUSH VALVE - EXPOSED, BRASS CONSTRUCTION, CONSTRUCTI		INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES AND SUPPLY LINES. ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED
	CHROME-PLATED FINISH, 1" I.P.S., SCREWDRIVER STOP-CHECK VALVE, CHEMICAL RESISTANT MATERIAL, WALL AND SPUD FLANGES. BEDPAN WASHER - WALL MOUNTED, BRASS CONSTRUCTION, SELF-CLOSING DOUBLE FOOT CONTROL		HEAVY BRASS ANGLE SUPPLY LOOSE KEY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES, DRAIN AND TAILPIECE, 1-1/4" 20 GAUGE CAST BRASS P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, SUPPORT CARRIER.
	MIXING VALVE WITH INTEGRAL STOPS, OUTLET TO WALL WITH VOLUME CONTROL, HOSE WITH INSULATED HANDLE, ANGLE SPRAY NOZZLE, ELEVATED CHROME-PLATED VACUUM BREAKER. EXPOSED PIPING, FITTINGS, AND FLANGES SHALL BE CHROME-PLATED. SINK FAUCET - WALL MOUNTED, BRASS CONSTRUCTION,		MOUNT LAVATORY WITH SUPPORT CARRIER BOLTED SECURELY TO FLOOR. TOP OF RIM SHALL BE AT 34" ABOVE FLOOR IN COMPLIANCE WITH LATEST ADA STANDARD. ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.
	CHROME-PLATED FINISH, ADJUSTABLE INLETS, 8" SPOUT WITH INTEGRAL 3/4" HOSE THREADED OUTLET AND VACUUM BREAKER, CHECK STOPS, QUARTER-TURN 6" WRIST BLADE HANDLES, PAIL HOOK, FORKED WALL BRACE.	L-2	LAVATORY - PROVIDED AND INSTALLED BY OTHERS. STRAINER AND TAILPIECE PROVIDED BY PLUMBING CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.
	ACCESSORIES - SUPPORT CARRIER RATED FOR 350 LBS. MOUNT CLINICAL SINK WITH CARRIER MOUNTED SECURELY TO FLOOR. TOP OF RIM SHALL BE AT 20" TO 30" ABOVE FINISHED FLOOR (VERIFY EXACT MOUNTING HEIGHT WITH OWNER).		LAVATORY TRIM - SENSOR ACTIVATED MIXING FAUCET, BATTERY POWERED, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH VANDAL-RESISTANT LAMINAR FLOW OUTLET, SINGLE HOLE, INTEGRAL CHECK VALVES, PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE, EXTERNAL ADJUSTABLE TEMPERATURE, FAUCET MOUNTED CONTROLS AND BATTERIES.
EE-1	EMERGENCY EYE/FACE WASH - ACCESSIBLE, WALL MOUNTED, STAINLESS STEEL BOWL WITH HINGED DUST COVER, TWIN SPRAY HEADS WITH CAPS AND RETAINING CHAINS/STRAPS, BRASS SUPPLY ARMS, INTEGRAL FLOW CONTROL FITTING, BRASS PIPING AND FITTINGS WITH		INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES AND SUPPLY LINES.
	BRASS/BRONZE STAY OPEN BALL VALVE, 1-1/4" DRAIN OUTLET WITH CHROME PLATED BRASS TAILPIECE AND TRAP, UNIVERSAL IDENTIFICATION SIGN, ANSI Z358.1-2004 COMPLIANT.		MAXIMUM FLOW TO BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.
	MINIMUM FLOW RATE OF 3.0 GPM AT 30 PSI. ACTIVATION TIME SHALL BE 1 SECOND OR LESS. BRASS/BRONZE PIPING, FITTINGS, AND VALVES SHALL BE CHROME-PLATED OR CHEMICAL-RESISTANT POWDER COATED.		MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, THREADED INLETS, TAMPER RESISTANT SETPOINT.
	MOUNT WITH OUTLET HEADS AT 36" ABOVE FINISH FLOOR WITH MINIMUM 27" OF KNEE CLEARANCE BELOW, AND MINIMUM OF 19" OF CLEARANCE FROM CENTER OF BOWL TO WALL OR OBSTRUCTION. IN COMPLIANCE WITH LATEST ADA AND ANSI 117.1 STANDARDS.		CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.
EWC-1	ELECTRIC WATER COOLER - WALL HUNG, BI-LEVEL UNITS, ADA COMPLIANT WITH APRON INSTALLED UNDER UPPER UNIT 18 GAUGE STAINLESS STEEL CABINETS AND NON-SPLASH BASINS WITH PROTECTIVE HOODS BUSINESS STEEL FINISH,		0.5 GPM OUTPUT. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET. UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE
	STREAM PROJECTORS WITH PROTECTIVE HOODS, PUSH BAR OR LEVER OPERATING CONTROLS ON FRONT AND BOTH SIDES, BUILT-IN FLOW REGULATOR, DRAIN & TRAP ASSEMBLY, ADJUSTABLE THERMOSTAT, MOUNTING ACCESSORIES, TANK DRAIN AND ANGLE STOPS, HERMETIC		SHALL COMPLY WITH FEDERAL ACT S.3874. PROGRAMMING UNIT - HAND HELD, CAPABLE OF CHANGING SETTINGS, RUNNING DIAGNOSTICS, AND SCAN FAUCETS WITH ISSUES. PROVIDE ONE CONTROLLER FOR
	COMPRESSOR TO OPERATE ON HFC-134a REFRIGERANT. COMPLIANT TO LATEST ANSI A117.1 AND ADA STANDARDS. UNIT SHALL COMPLY WITH FEDERAL ACT S.3874. UNIT SHALL PROVIDE 8.0 GPH OF WATER FROM 80°F TO		EVERY 25 FAUCETS. ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED HEAVY BRASS ANGLE SUPPLY LOOSE KEY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES, 1-1/4" 20
	50°F AT 90°F AMBIENT. WATER SYSTEM SHALL BE OF LEAD FREE CONSTRUCTION. TANK SHALL BE TESTED TO 125 PSIG. ORIFICE SHALL BE OF 36" (MAXIMUM) ABOVE FINISHED	MB-1	GAUGE CAST BRASS P-TRAP. WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION. MOP BASIN - NEO-ANGLE CORNER STYLE, PRECAST
	FLOOR ON LOWER UNIT AND 40" ABOVE FINISHED FLOOR ON UPPER UNIT. BOTTOM OF APRON SHALL BE 27" ABOVE FLOOR ON LOWER UNIT IN COMPLIANCE WITH LATEST ADA STANDARDS.		TERRAZZO, 36"x36"x12", 6" DEEP FRONT, STAINLESS STEEL INTEGRAL DRAIN WITH REMOVABLE STRAINER, 3" OUTLET, STAINLESS STEEL THRESHOLD. TRIM - EXPOSED TWO HANDLE MIXING FAUCET, BRASS
FCO-1	ELECTRICAL REQUIREMENTS - 115V-1 PHASE, CORD AND PLUG, 1/5 HP MOTOR FLOOR CLEANOUT - ADJUSTABLE, CAST IRON HOUSING, ANCHOR FLANGE, TAPERED THREAD PLUG, SECURED		CONSTRUCTION, CHROME-PLATED FINISH, SINGLE WING HANDLES, 1/4 TURN CERAMIC DISC CARTRIDGE, 3/4" HOSE THREAD SPOUT WITH INTEGRAL VACUUM BREAKER, WALL BRACE, PAIL HOOK, CHECK STOPS OR INLINE CHECK VALVES TO PREVENT THERMAL CROSSOVER. FAUCET
	NICKEL BRONZE TOP. TOP STYLE SHALL MATCH FLOOR FINISH AS FOLLOWS: UNFINISHED FLOOR - ROUND SOLID SCORIATED TOP		SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - MOP HANGER, HOSE AND HOSE BRACKET, DEEP SEAL TRAP
FD-1	TILE OR TERRAZZO - ROUND RECESSED TOP CARPET - ROUND TOP WITH CARPET MARKER. FLOOR DRAIN - CAST IRON BODY, NICKEL BRONZE	MV-1	MIXING VALVE - THERMOSTATIC MIXING VALVE FOR EMERGENCY EYEWASH OR COMBINATION EYEWASH/FACEWASH FIXTURE, BRONZE BODY
	ADJUSTABLE TOP, 5" ROUND 3" BOTTOM OUTLET, FLASHING COLLAR, DEEP SEAL TRAP. PROVIDE WITH TRAP PRIMER CONNECTION.		CONSTRUCTION, COLD WATER BYPASS, INLET AND OUTLET THERMOMETERS, INTEGRAL CHECKSTOPS, MOUNTING BRACKET.
FD-2	FLOOR DRAIN - CAST IRON BODY, MEDIUM DUTY CAST/DUCTILE IRON TOP, 9" ROUND, 4" BOTTOM OUTLET, SHALLOW SUMP, FREE STANDING SEDIMENT BUCKET, FLASHING COLLAR, DEEP SEAL TRAP.		CABINET SHALL BE SURFACE MOUNTED 18 GAUGE STAINLESS STEEL WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.
FS-1	PROVIDE WITH TRAP PRIMER CONNECTION. FLOOR SINK - CAST IRON BODY, NICKEL BRONZE RIM AND GRATE, 8" SQUARE, 4" BOTTOM OUTLET, MEDIUM RECEPTOR WITH ALUMINUM DOME STRAINER, ACID RESISTANT COATED INTERIOR, SEEPAGE FLANGE WITH		THERMOSTATIC MIXING AND PRESSURE REGULATING VALVES TO DELIVER 3 GPM OF TEMPERED WATER (60-100 DEGREE F) WITH 10 PSI PRESSURE DIFFERENTIAL. UNIT SHALL BE ASSE 1071 LISTED AND APPROVED. VALVE
	CLAMP, DEEP SEAL TRAP. PROVIDE WITH TRAP PRIMER CONNECTION.	RD-1	SHALL COMPLY WITH FEDERAL ACT S.3874. ROOF DRAIN - CAST IRON BODY, SECURED CAST IRON DOME, 15" ROUND, BOTTOM OUTLET, FLASHING CLAMP,
HB-1	HOSE BIBB - FREEZELESS WALL HYDRANT, BRASS VALVE BODY AND SEAT, STANDARD FINISH, NON-FERROUS METAL STEM, AUTOMATIC DRAINING, VACUUM BREAKER, 3/4" MALE HOSE THREAD, WALL CLAMP, CONCEALED IN FLUSH MOUNTED LOCKABLE WALL BOX, KEY OPERATED, ASSE 1019 APPROVED AND LISTED.	RD-2	GRAVEL STOP, UNDERDECK CLAMP, BEARING PAN, ADJUSTABLE EXTENSION TO MATCH INSULATION THICKNESS, OUTLET SIZE AS LISTED ON DRAWINGS. ROOF DRAIN - CAST IRON BODY, SECURED CAST IRON DOME, 15" ROUND, BOTTOM OUTLET, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, BEARING PAN,
	VERIFY NUMBER OF KEY OPERATORS TO BE PROVIDED WITH OWNER. BOX COVER AND HYDRANT SHALL USE A COMMON KEY. MOUNT AT 18" ABOVE GRADE UNLESS	RDO-1	EXTENSION TO MATCH INSULATION THICKNESS, 2" TALL INTERNAL STANDPIPE, OUTLET SIZE AS LISTED ON DRAWINGS. ROOF DRAIN OUTLET - LAMBS TONGUE DOWNSPOUT
HB-2	NOTED OTHERWISE ON DRAWINGS. HOSE BIBB - INDOOR WALL HYDRANT, BRASS CONSTRUCTION, STANDARD FINISH, VACUUM BREAKER, 3/4" MALE HOSE THREAD, METAL WHEEL HANDLE.	100-1	NOZZLE, BRONZE BODY, INTEGRAL ANCHORING FLANGE, OUTLET SIZE AS LISTED ON DRAWINGS.

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	PLUMBING MATERIAL LIST
G NAME SHV-1	SHOWER VALVE - ACCESSIBLE, SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET, BRASS OR BRONZE CONSTRUCTION, WASHERLESS DESIGN, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, POLISHED CHROME CAST METAL LEVER HANDLE, INTEGRAL CHECK STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP. ASSE 1016 LISTED.
	ACCESSORIES - ADJUSTABLE SPRAY HAND HELD SHOWER WITH 1.5 GPM FLOW AND 60" CHROME-PLATED METAL HOSE AND QUICK DISCONNECT, CHROME-PLATED BRASS SHOWERHEAD WITH SWIVEL BALL JOINT ADJUSTABLE SPRAY, CHROME-PLATED BRASS ARM AND FLANGE, CHROME-PLATED BRASS SWIVEL CONNECTOR, 24" CHROME-PLATED MOUNTING RAIL, CHROME-PLATED BRASS SUPPLY ELBOW FLANGE, CHROME-PLATED IN-LINE VACUUM BREAKER WITH CHROME-PLATED PIPING AND FLANGES, CHROME-PLATED BRASS DIVERTER.
	MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS.
	CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.
	RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.
	UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874.
	INSTALL ALL CONTROLS BETWEEN 38" AND 48" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. INSTALL BOTTOM OF SHOWERHEAD AT 72" ABOVE FINISHED FLOOR. MAXIMUM FLOW TO BE 2.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M SET SAFETY LIMIT STOP TO 110 DEGREE F DISCHARGE.
SK-1	SINK - SELF-RIMMING SINGLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW, 18 GAUGE TYPE 304 STAINLESS STEEL, 15" (SIDE-TO-SIDE) x 17-1/2" (FRONT-TO-BACK) OVERALL SIZE, 12" x 12" x 7-5/8" DEEP BOWL, COMPLETELY UNDERCOATED, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED REAR IN BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER.
	SINK TRIM - SENSOR ACTIVATED MIXING FAUCET, BATTERY POWERED, BRASS CONSTRUCTION, CHROME-PLATED FINISH, DECK MOUNTED, SWING GOOSENECK SPOUT WITH NOMINAL 8" REACH AND AERATOR, SINGLE HOLE, SOLID BRASS SOLENOID WITH BUILT-IN FILTER, SOLID BRASS THERMOSTATIC MIXING VALVE MEETING ASSE 1070 REQUIREMENTS WITH ADJUSTABLE TEMPERATURE LIMIT STOP AND INTEGRAL CHECK VALVES, WATERPROOF CONNECTORS AND CABLE.
	MOUNT CONTROLS AND BATTERIES IN WATERPROOF VANDAL-RESISTANT ENCLOSURE BELOW SINK OR ABOVE DECK IN FAUCET BASE.
	MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED. MOUNT MIXING VALVE UNDER COUNTER/SINK. MIXING VALVE SHALL NOT BE WYE PATTERN STYLE.
	PROGRAMMING UNIT - HAND HELD, CAPABLE OF CHANGING SETTINGS, RUNNING DIAGNOSTICS, AND SCAN FAUCETS WITH ISSUES. PROVIDE ONE CONTROLLER FOR EVERY 50FAUCETS.
	MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATION MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS.
	CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.
	RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.
	UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874.
	ACCESSORIES - 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.
SK-2	SINK - ACCESSIBLE, SELF-RIMMING DOUBLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW IN EACH BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, COMPLETELY UNDERCOATED, 33" (SIDE-TO-SIDE) x 22" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 13-1/2" x 16" x 8" DEEP, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED REAR IN EACH BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINERS WITH NEOPRENE STOPPERS.
	SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10" HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, AERATOR, LEVER HANDLE, SPRAY HOSE WITH LEVER CONTROL.
	MAXIMUM FLOW TO BE 2.2 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M.FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.
	MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATION MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS.
	CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.
	RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.
	UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - OFFSET 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.

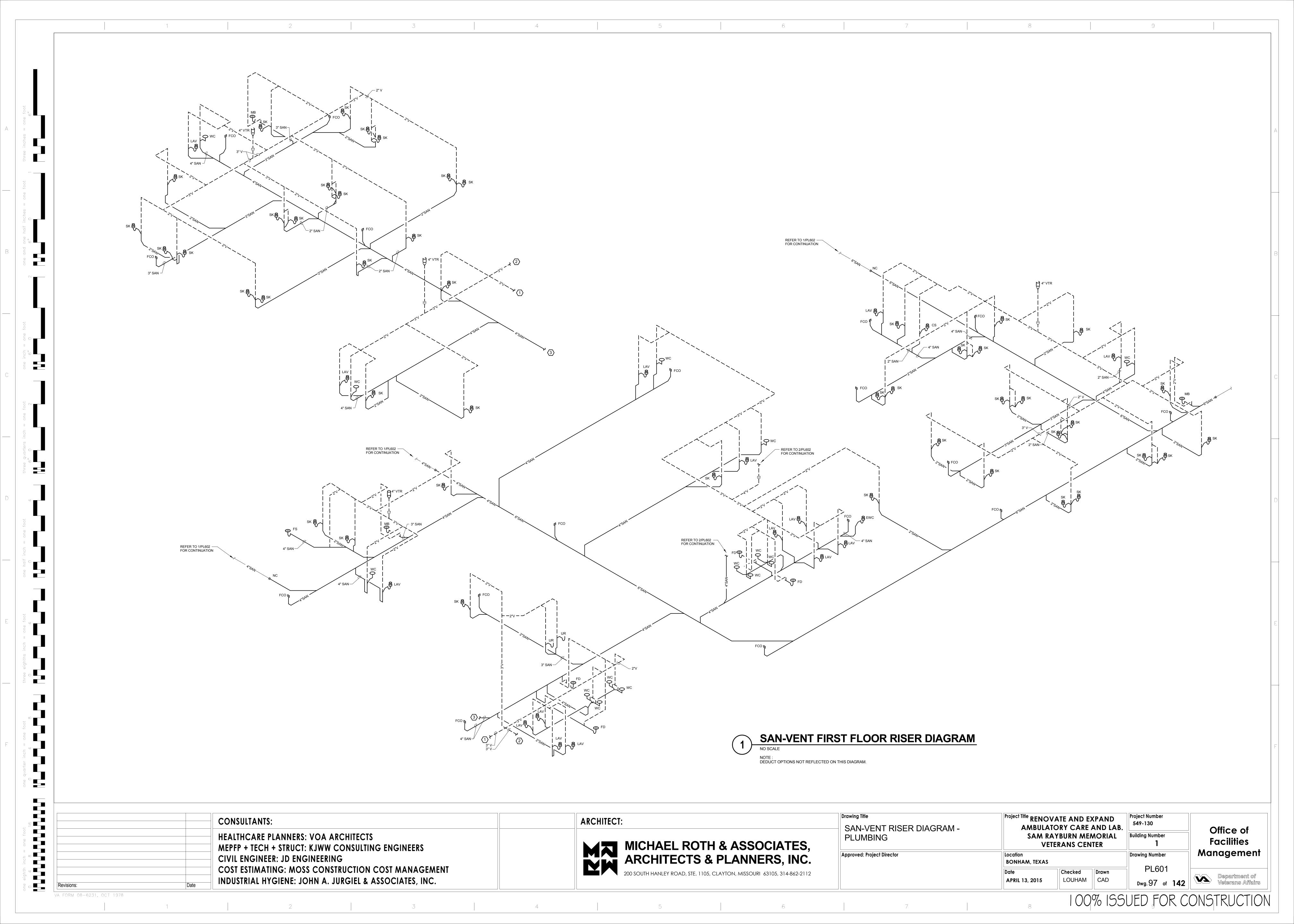
	PLUMBING MATERIAL LIST		PLUMBING MATERIAL LIST
SK-3	DESCRIPTION SINK - SELF-RIMMING SINGLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW, 18 GAUGE TYPE 304 STAINLESS STEEL, 25" (SIDE-TO-SIDE) x 22" (FRONT-TO-BACK) OVERALL SIZE, 21" x 15-3/4" x 8-1/8" DEEP BOWL, COMPLETELY UNDERCOATED, 3-1/2" DIAMETER	TAG NAME	DESCRIPTION TRAP PRIMER - ELECTRONIC SOLENOID ACTIVATED, SURFACE MOUNTED, MANUAL OVERRIDE, 3/4" FNPT INLET AND 1/2" COMPRESSION OUTLET, BUILT-IN VACUUM BREAKER, CAPABLE OF SERVING 4 TO 30 TRAPS.
	DRAIN OUTLET LOCATION OFF-CENTERED REAR IN BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER. SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10"	UR-1	ELECTRICAL REQUIREMENTS - 120VAC, 3-WIRE CONNECTION URINAL - WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, LOW CONSUMPTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP
	HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, AERATOR, LEVER HANDLE, SPRAY HOSE WITH LEVER CONTROL. MAXIMUM FLOW TO BE 2.2 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD		SPUD, 2" OUTLET. FLUSH VALVE - FLUSH VALVE - EXPOSED, SENSOR OPERATION, BATTERY POWERED, 1.0 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM
	A112.18.1M.FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED. MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH		BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MANUAL OVER-RIDE, LOW BATTERY INDICATOR LIGHT, RANGE ADJUSTMENT SCREW, BEAM DEFLECTOR, CHLORAMINE RESISTANT MATERIALS, 3-YEA WARRANTY.
	FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS. CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE		CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, SLOAN, OR ZURN ACCESSORIES - SUPPORT CARRIER WITH TOP AND
	VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES. RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110		BOTTOM BEARING PLATES. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TO OF BOWL RIM SHALL BE AT 22" ABOVE FLOOR. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.
	DEGREE F OUTLET. UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874.	UR-2	URINAL - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, LOW CONSUMPTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP SPUD, 2" OUTLET.
	ACCESSORIES - OFFSET 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.		FLUSH VALVE - FLUSH VALVE - EXPOSED, SENSOR OPERATION, BATTERY POWERED, 1.0 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE
SK-4	SINK - ACCESSIBLE, SELF-RIMMING DOUBLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW IN EACH BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, COMPLETELY UNDERCOATED, 25" (SIDE-TO-SIDE) x 22" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 21" x 15-3/4" x 5-1/2" DEEP, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED REAR IN EACH BOWL,		TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MANUAL OVER-RIDE, LOW BATTERY INDICATOR LIGHT, RANGE ADJUSTMENT SCREW, BEAM DEFLECTOR, CHLORAMINE RESISTANT MATERIALS, 3-YEA WARRANTY. CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD,
	REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINERS WITH NEOPRENE STOPPERS. SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS		SLOAN, OR ZURN ACCESSORIES - SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES.
SK-5	CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10" HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, AERATOR, LEVER HANDLE, SPRAY HOSE WITH LEVER CONTROL.		MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TO OF BOWL RIM SHALL BE AT 17" (MAXIMUM) ABOVE FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.
	MAXIMUM FLOW TO BE 2.2 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M.FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.	VB-1	VACUUM BREAKER - HEALTH HAZARD TYPE, ANTI-SIPHON SPILL-RESISTANT, BRONZE CONSTRUCTION, STAINLESS STEEL SPRINGS, SIZE AS NOTED ON DRAWINGS, TEE HANDLE BALL VALVES.
	MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS.		RATED FOR 150 PSI AT 33°F TO 180°F. 13 GPM (MAXIMUM) 10 PSI PRESSURE DROP. MOUNT AT 6" MINIMUM ABOVE FLOOD RIM OF FIXTURE. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
	CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES.	WC-1	WATER CLOSET - WALL MOUNTED, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, WATER SAVING, ELONGATED BOWL, 1-1/2" TOP SPUD.
	RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.		FLUSH VALVE - EXPOSED, SENSOR OPERATION, BATTERY POWERED, 1.6 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, MECHANICAL OVER-RIDE BUTTON, WALL FLANGE WITH SET SCREW, CHLORAMINE
	UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - OFFSET 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED		RESISTANT MATERIALS, ADA COMPLIANT, 3 YEAR WARRANTY. SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID ANTI-MICROBIAL PLASTIC, SELF-SUSTAINING HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS.
	BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES. SINK - SELF-RIMMING SINGLE COMPARTMENT WITH		CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM. ACCESSORIES - WATER CLOSET SUPPORT CARRIER
	FAUCET DECK AND OVERFLOW, 18 GAUGE TYPE 304 STAINLESS STEEL, 17" (SIDE-TO-SIDE) x 20" (FRONT-TO-BACK) OVERALL SIZE, 14" x 14" x 7-5/8" DEEP BOWL, COMPLETELY UNDERCOATED, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED REAR IN BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER.		RATED FOR 500 LBS. MOUNT WATER CLOSET WITH CARRIER BOLTED SECUREL TO FLOOR. TOP OF SEAT SHALL BE AT 16"-17" ABOVE FINISHED FLOOR (VERIFY EXACT MOUNTING HEIGHT WITH MANUFACTURER). VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.
	SINK TRIM - SENSOR ACTIVATED MIXING FAUCET, BATTERY POWERED, BRASS CONSTRUCTION, CHROME-PLATED FINISH, DECK MOUNTED, RIGID GOOSENECK SPOUT WITH NOMINAL 8" REACH AND AERATOR, SINGLE HOLE, SOLID BRASS SOLENOID WITH BUILT-IN FILTER, SOLID BRASS	WC-2	WATER CLOSET - ACCESSIBLE, WALL MOUNTED, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, WATE SAVING, ELONGATED BOWL, 1-1/2" TOP SPUD.
	THERMOSTATIC MIXING VALVE MEETING ASSE 1070 REQUIREMENTS WITH ADJUSTABLE TEMPERATURE LIMIT STOP AND INTEGRAL CHECK VALVES, WATERPROOF CONNECTORS AND CABLE. MOUNT CONTROLS AND BATTERIES IN WATERPROOF		FLUSH VALVE - EXPOSED, SENSOR OPERATION, BATTERY POWERED, 1.6 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, ADJUSTABLE TAILPIECE, SPUCOUPLING AND FLANGE, MECHANICAL OVER-RIDE
	VANDAL-RESISTANT ENCLOSURE BELOW SINK OR ABOVE DECK IN FAUCET BASE. MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT		BUTTON, WALL FLANGE WITH SET SCREW, CHLORAMINE RESISTANT MATERIALS, ADA COMPLIANT, 3 YEAR WARRANTY. SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID ANTI-MICROBIAL PLASTIC, CHECK HINGE,
	S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED. MOUNT MIXING VALVE UNDER COUNTER/SINK. MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE ARRANGEMENT FOR TEMPERED WATER		STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS. CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM.
	CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNION/THREADED INLETS WITH CHECK STOPS/STRAINERS. CABINET - SURFACE MOUNTED 18 GAUGE PAINTED STEEL		ACCESSORIES - WATER CLOSET SUPPORT CARRIER RATED FOR 500 LBS. MOUNT WATER CLOSET WITH CARRIER BOLTED SECUREL TO FLOOR. TOP OF SEAT SHALL BE AT 17"-19" ABOVE
	CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES. RATED FOR 1.5 GPM OUTPUT MAXIMUM AND 0.5 GPM	WHA-1	FINISHED FLOOR (VERIFY EXACT MOUNTING HEIGHT WITH MANUFACTURER). VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. WATER HAMMER ARRESTER - BELLOWS TYPE,
	OUTPUT MINIMUM. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.	WHA-2	PRE-CHARGED, ALL STAINLESS STEEL CONSTRUCTION, ASSE 1010 APPROVED, PDI CERTIFIED, RATED FOR 1-11 FIXTURE UNITS. WATER HAMMER ARRESTER - BELLOWS TYPE,
	UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - OFFSET 1-1/2" 17 GAUGE CHROME-PLATED	WHA-2	PRE-CHARGED, ALL STAINLESS STEEL CONSTRUCTION, ASSE 1010 APPROVED, PDI CERTIFIED, RATED FOR 12-32 FIXTURE UNITS. WATER SOFTENER - AUTOMATIC REGENERATION TYPE,
	BRASS TAILPIECE AND P-TRAP, WALL STUB OUT FOR DRAIN TO HAVE THREADED METAL CONNECTION, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.		SIMPLEX SOFTENER TANKS, POWER SUPPLY WITH CORD AND PLUG. CONTINUOUS FLOW RATE OF 3.0 GPM AT 15 PS PRESSURE DROP, MAXIMUM FLOW RATE OF 5.0 GPM AT 2 PSI PRESSURE DROP, ELECTRICAL REQUIREMENTS - 120V-1 PHASE RECEPTACLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
TP-1	TRAP PRIMER - PRESSURE DROP ACTIVATED, 1/2" MALE NPT INLET AND 1/2" FEMALE NPT OUTLET, BUILT-IN AIRGAP, REMOVABLE FILTER SCREEN, ASSE 1018 LISTED. REQUIRES NO ADJUSTMENTS OR PRE-CHARGE.	YCO-1	YARD CLEANOUT - ROUND, DURA-COATED CAST IRON, SIZE AS LISTED ON DRAWINGS, DOUBLE FLANGED HOUSING, HEAVY DUTY SECURED SCORIATED DURA-COATED CAST IRON COVER, LIFTING DEVICE, BRONZE CLEANOUT PLUG WITH GAS/WATER-TIGHT SEAL.

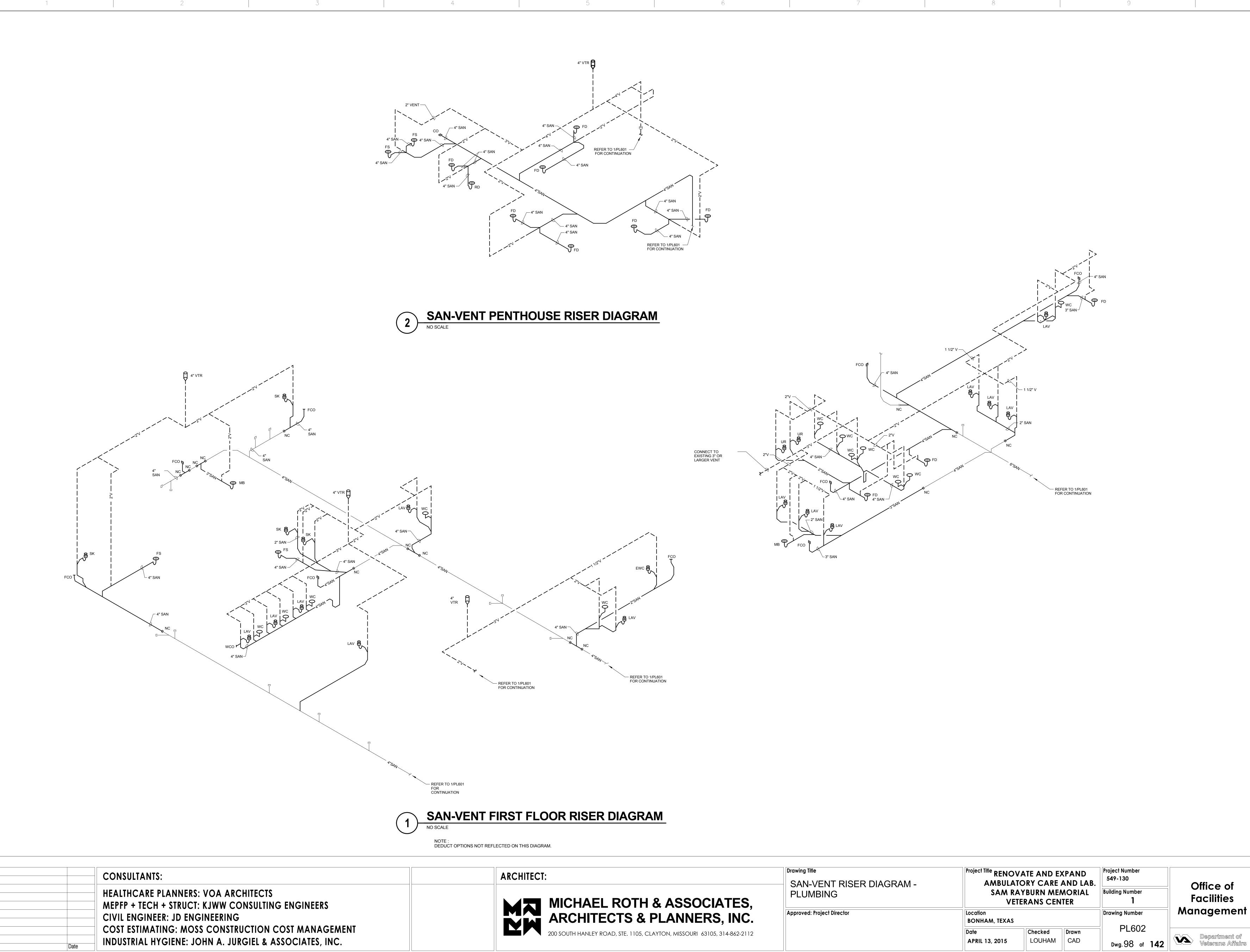
ATERIAL LIST **ESCRIPTION** FRONIC SOLENOID ACTIVATED, MANUAL OVERRIDE, 3/4" FNPT INLET ON OUTLET, BUILT-IN VACUUM F SERVING 4 TO 30 TRAPS. EMENTS - 120VAC, 3-WIRE TED, WHITE VITREOUS CHINA, FLUSH T ACTION, LOW CONSUMPTION, ENDED SIDE SHIELDS, 3/4" TOP 1 VALVE - EXPOSED, SENSOR Y POWERED, 1.0 GALLONS PER H-IN, CHROME-PLATED, 3/4" I.P.S. CHECK VALVE WITH VANDAL H BACK PRESSURE VACUUM -OPEN HANDLE, ADJUSTABLE JPLING AND FLANGE, WALL FLANGE NUAL OVER-RIDE, LOW BATTERY NGE ADJUSTMENT SCREW, BEAM MINE RESISTANT MATERIALS, 3-YEAF COMBINATION URINAL/FLUSH STEM BY AMERICAN STANDARD, PORT CARRIER WITH TOP AND R BOLTED SECURELY TO FLOOR. TO BE AT 22" ABOVE FLOOR. VERIFY MENTS AND ROUGH-IN LOCATIONS. , WALL MOUNTED, WHITE VITREOUS TYPE, WASHOUT ACTION, LOW IGATED RIM, EXTENDED SIDE UD, 2" OUTLET. HVALVE - EXPOSED, SENSOR Y POWERED, 1.0 GALLONS PER H-IN, CHROME-PLATED, 3/4" I.P.S. -CHECK VALVE WITH VANDAL H BACK PRESSURE VACUUM -OPEN HANDLE, ADJUSTABLE JPLING AND FLANGE, WALL FLANGE NUAL OVER-RIDE, LOW BATTERY NGE ADJUSTMENT SCREW, BEAM MINE RESISTANT MATERIALS, 3-YEAR COMBINATION URINAL/FLUSH STEM BY AMERICAN STANDARD, PORT CARRIER WITH TOP AND R BOLTED SECURELY TO FLOOR. TO BE AT 17" (MAXIMUM) ABOVE FLOOR I LATEST ADA STANDARDS. VERIFY MENTS AND ROUGH-IN LOCATIONS. HEALTH HAZARD TYPE, ANTI-SIPHON, ONZE CONSTRUCTION, STAINLESS AS NOTED ON DRAWINGS, TEE T 33°F TO 180°F. 13 GPM (MAXIMUM) A ABOVE FLOOD RIM OF FIXTURE. CTURERS RECOMMENDATIONS. MOUNTED, FLUSH VALVE TYPE, NA, SIPHON JET, WATER SAVING, -1/2" TOP SPUD. SED, SENSOR OPERATION, BATTERY NS PER FLUSH, 11-1/2" ROUGH-IN, .P.S. SCREWDRIVER STOP-CHECK RESISTANT CAP. HIGH BACK BREAKER, ADJUSTABLE TAILPIECE FLANGE, MECHANICAL OVER-RIDE E WITH SET SCREW, CHLORAMINE S, ADA COMPLIANT, 3 YEAR HEAVY, OPEN FRONT, INJECTION MICROBIAL PLASTIC, NGE, STAINLESS STEEL OR PLATED COMBINATION WATER PACKAGED SYSTEM. ER CLOSET SUPPORT CARRIER ET WITH CARRIER BOLTED SECUREL EAT SHALL BE AT 16"-17" ABOVE RIFY EXACT MOUNTING HEIGHT WITH RIFY EQUIPMENT REQUIREMENTS ESSIBLE, WALL MOUNTED, FLUSH ITREOUS CHINA, SIPHON JET, WATEF BOWL, 1-1/2" TOP SPUD. SED, SENSOR OPERATION, BATTERY DNS PER FLUSH, 11-1/2" ROUGH-IN, P.S. SCREWDRIVER STOP-CHECK RESISTANT CAP, HIGH BACK BREAKER, ADJUSTABLE TAILPIECE FLANGE, MECHANICAL OVER-RIDE E WITH SET SCREW, CHLORAMINE S, ADA COMPLIANT, 3 YEAR HEAVY, OPEN FRONT, INJECTION MICROBIAL PLASTIC, CHECK HINGE PLATED STEEL POSTS AND NUTS. COMBINATION WATER E PACKAGED SYSTEM. ER CLOSET SUPPORT CARRIER ET WITH CARRIER BOLTED SECUREL EAT SHALL BE AT 17"-19" ABOVE RIFY EXACT MOUNTING HEIGHT WITH RIFY EQUIPMENT REQUIREMENTS ESTER - BELLOWS TYPE, TAINLESS STEEL CONSTRUCTION, D, PDI CERTIFIED, RATED FOR 1-11 RESTER - BELLOWS TYPE, STAINLESS STEEL CONSTRUCTION, D, PDI CERTIFIED, RATED FOR 12-32 AUTOMATIC REGENERATION TYPE, TANKS, POWER SUPPLY WITH CORD OUS FLOW RATE OF 3.0 GPM AT 15 PS

PLUMBING MATERIAL LIST GENERAL NOTES THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO TH CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES. ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874

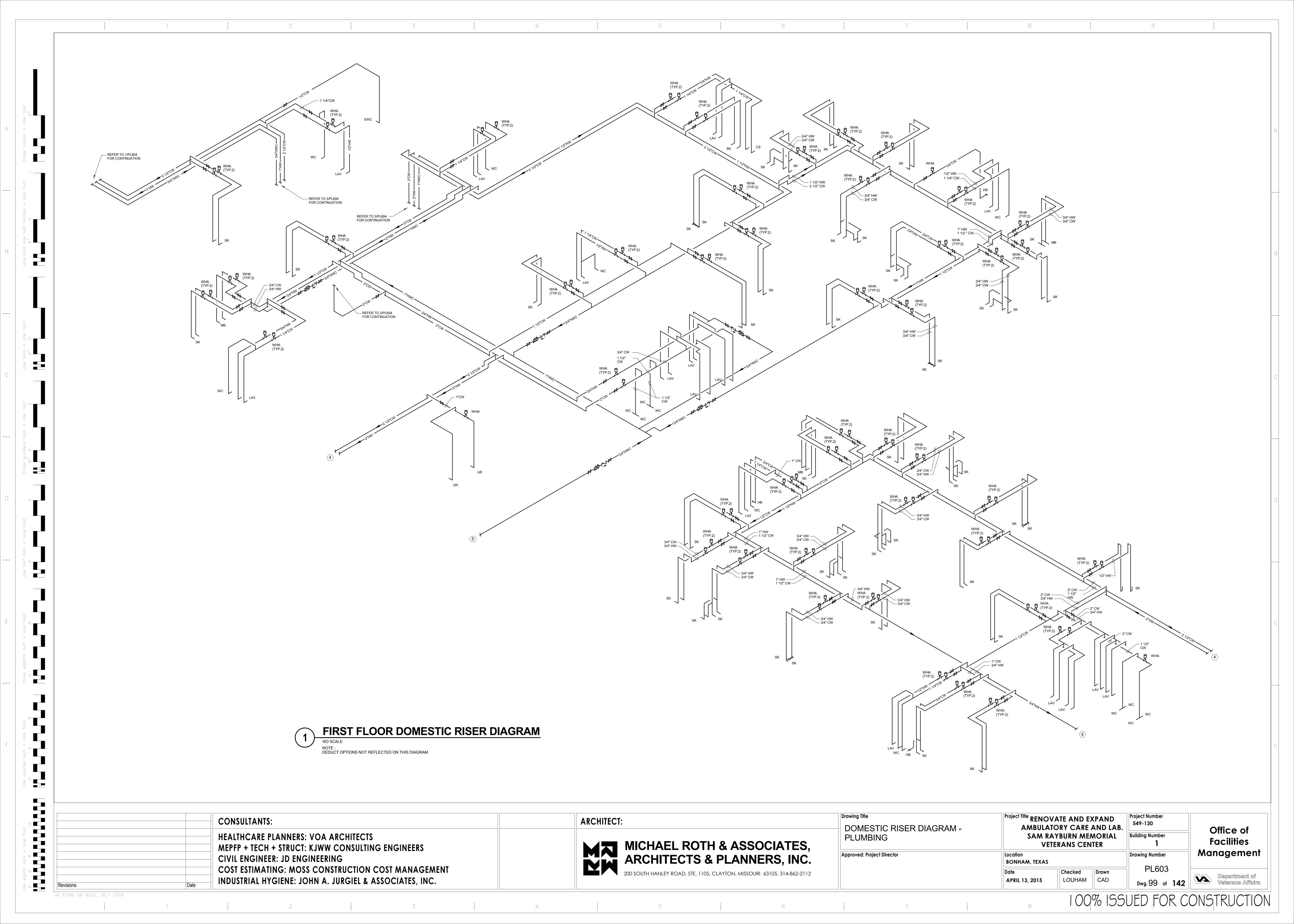
XIMUM FLOW RATE OF 5.0 GPM AT 25 LUG WITH GAS/WATER-TIGHT SEAL

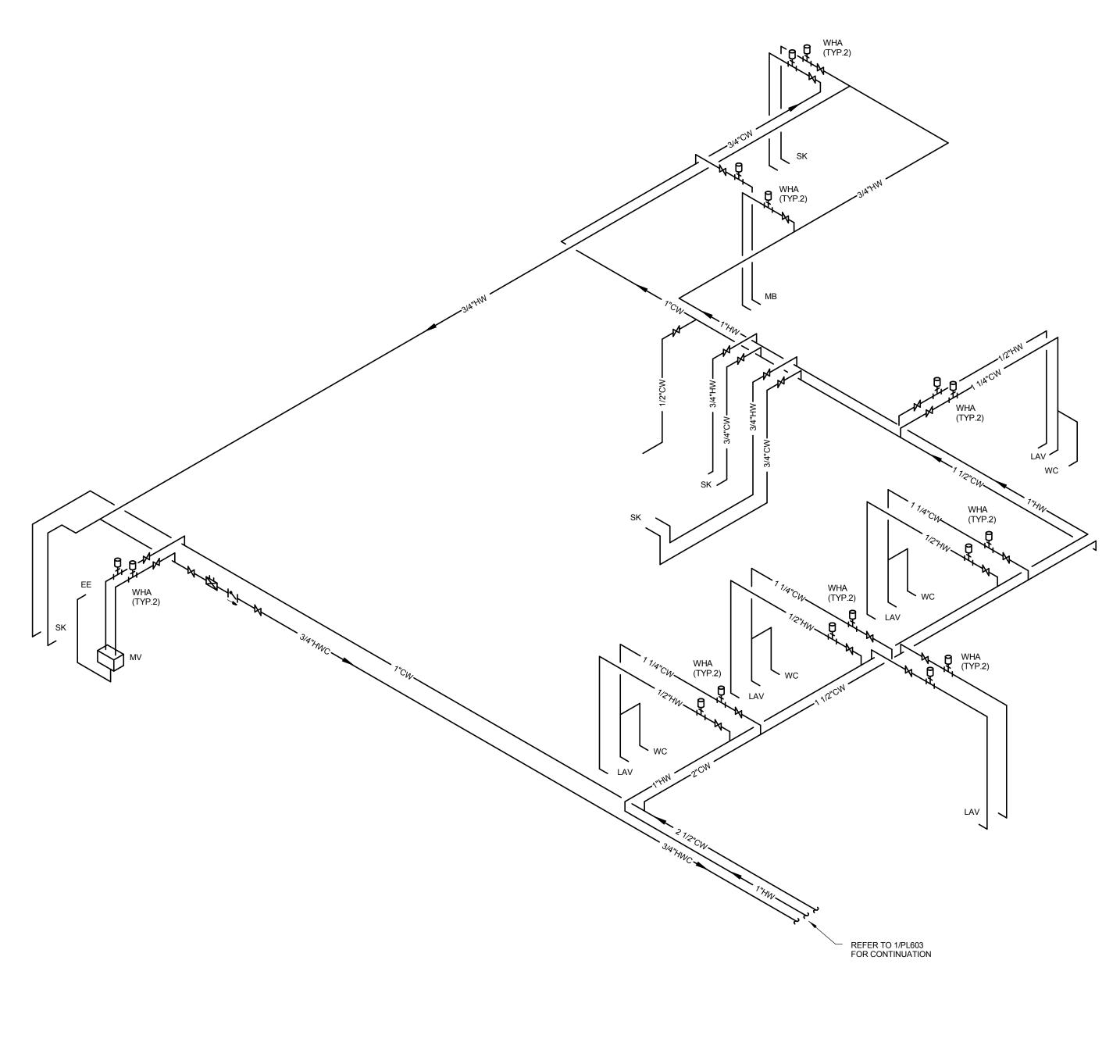
Drawing Title Project Title RENOVATE AND EXPAND ARCHITECT: **CONSULTANTS:** 549-130 AMBULATORY CARE AND LAB. Office of PLUMBING MATERIAL LIST SAM RAYBURN MEMORIAL HEALTHCARE PLANNERS: VOA ARCHITECTS **Building Number Facilities** MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. **VETERANS CENTER** MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS Management Approved: Project Director Drawing Number CIVIL ENGINEER: JD ENGINEERING BONHAM, TEXAS COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT PL501 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112 Checked Department of Veterans Affairs INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC. LOUHAM CAD **APRIL 13, 2015**





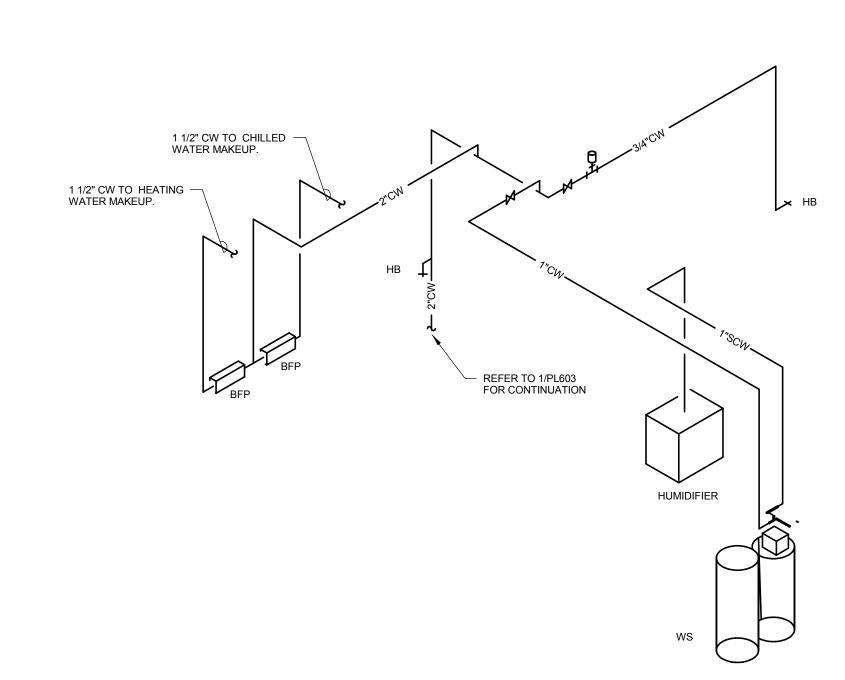
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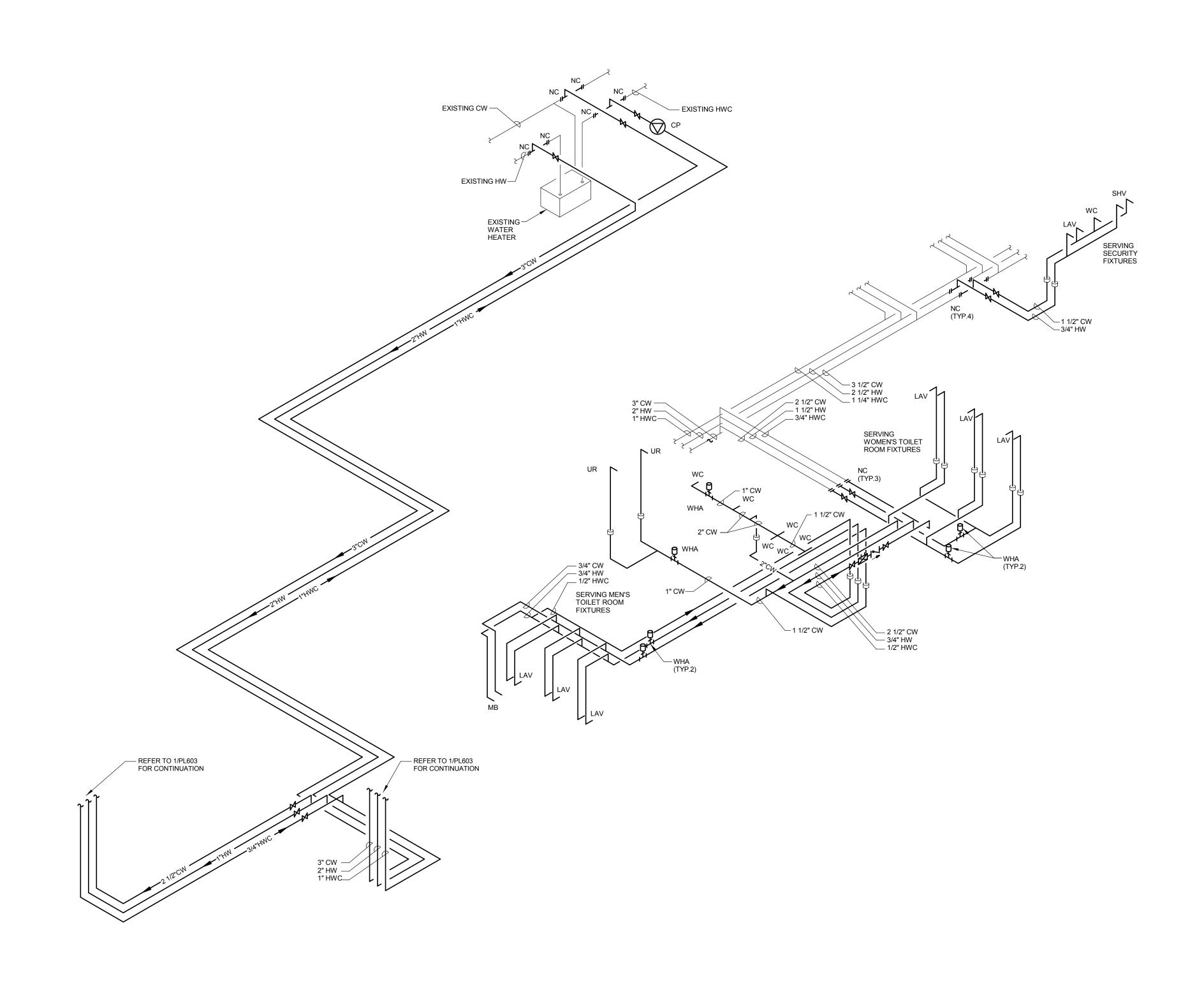


1 LABORATORY DOMESTIC RISER DIAGRAM

NOTE : DEDUCT OPTIONS NOT REFLECTED ON THIS DIAGRAM.



PENTHOUSE DOMESTIC RISER DIAGRAM
NO SCALE



BASEMENT FLOOR DOMESTIC RISER DIAGRAM NO SCALE

NOTE:
DEDUCT OPTIONS NOT REFLECTED ON THIS DIAGRAM.

		CONSULTANTS:
		HEALTHCARE PLANNERS: VOA ARCHITECTS
		MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
		CIVIL ENGINEER: JD ENGINEERING
		COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
risions:	Date	INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

VA FORM 08-6231, OCT 1978

ARCHITECT	•
	MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

DOMESTIC RISER DIAGRAM - PLUMBING			Project Number 549-130 Building Number 1		
approved: Project Director	Location BONHAM, TEXAS			Drawing Number	
	Date APRIL 13, 2015	Checked LOUHAM	Drawn CAD	PL604 Dwg. 100 of 142	1

Office of Facilities Management

Department of Veterans Affairs